



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
December 20, 2022 – 6:00 p.m.
Location: Virtual Meeting
Novato, California

Information about and copies of supporting materials on agenda items are available for public review at the District Office, at the Reception Desk, by calling the District Secretary at (415) 897-4133 or on our website at nmwd.com. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

ATTENTION: This will be a virtual meeting of the Board pursuant to the authorizations provided by Government Code section 54953(e)."

There will not be a public location for participating in this meeting, but any interested member of the public can participate telephonically by utilizing the dial-in information printed on this agenda.

Video Zoom Method

CLICK ON LINK BELOW:

SIGN IN TO ZOOM:

Go to: <https://us02web.zoom.us/j/82191971947> OR

Meeting ID: 821 9197 1947

Password: 466521

Password: 466521

Call in Method:

Dial: +1 669 900 9128
+1 253 215 8782
+1 346 248 7799
+1 301 715 8592
+1 312 626 6799
+1 646 558 8656

Meeting ID: 821 9197 1947#

Participant ID: #

Password: 466521#

For clarity of discussion, the Public is requested to MUTE except:

- 1. During Open Time for public expression item.
- 2. Public comment period on agenda items.

Please note: In the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.

All times are approximate and for reference only.
The Board of Directors may consider an item at a different time than set forth herein.

| Est. Time | Item | Subject |
|--------------|----------------------|--|
| 6:00 p.m. | CALL TO ORDER | |
| | 1. | APPROVE MINUTES FROM REGULAR MEETING , December 6, 2022 |
| | 2. | APPROVE MINUTES FROM SPECIAL MEETING , December 6, 2022 |
| | 3. | APPROVE MINUTES FROM SPECIAL MEETING , December 13, 2022 |
| | 4. | GENERAL MANAGER’S REPORT |
| | 5. | OPEN TIME: (Please observe a three-minute time limit) |
| | | This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration. |
| | 6. | STAFF/DIRECTORS REPORTS |
| | | <p>CONSENT CALENDAR</p> <p>The General Manager has reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person.</p> <p>7. Consent - Approve: Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District Resolution</p> <p>8. Consent - Approve: Notice of Completion for Old Ranch Road Tank No. 2 Project (Maggiore & Ghilotti)</p> <p>9. Consent - Approve: Amend Consulting Services Agreement – Wood Rodgers</p> |
| | | ACTION CALENDAR |
| | 10. | Approve: Resolution of Appreciation for Nancy Holton |
| | 11. | Approve: Exception to CalPERS 180-Day Wait Period Requirement for Retiring Employee Resolution |
| | 12. | Approve: Board Committee/Association Assignments for 2023 |
| | 13. | Approve: Commitment to Participate in the Marin County Multi-Jurisdictional Hazard Mitigation Planning |
| | | INFORMATION ITEMS |
| | 14. | Gallagher Well No. 2 Project – Construction Complete |
| | 15. | West Marin Water Supply Resiliency Project – Work Plan Submitted to Marin County |
| | 16. | Drought Ad-Hoc Committee |
| | 17. | MISCELLANEOUS |
| | | Disbursements – Dated December 8, 2022 |
| | | Disbursements – Dated December 15, 2022 |
| | | Monthly Progress Report |
| | | 2023 TAC and WAC/TAC Meeting Schedule |
| | | Point Reyes Light - Salinity Notice –December 8, 2022 |
| | | Point Reyes Light – Salinity Notice – December 15, 2022 |
| | | NOAA Three-Month Outlook Precipitation Probability |

| Est. Time | Item | Subject |
|----------------------|-------------|---|
| | | U.S. Seasonal Drought Outlook Spoils Pile Removal Revenue Received for Disposal of Surplus Equipment Election of Special District Representative Class II – Sonoma LAFCO State of California – California Environmental Protection Agency – State Water Resources Control Board – DIVISION OF WATER RIGHTS |
| | | <u>News Articles:</u> Marin IJ – Housing proposal on track in Novato – 2031 TARGET Marin IJ – Judy Schriebman dies; district board member – LAS GALLINAS Marin IJ – System brings more rain to region – BAY AREA Marin IJ – Funding bolsters wetland projects – NOVATO Marin IJ – State virus spike puts more elders in hospital beds – COVID-19 PANDEMIC Marin IJ – Marin’s steady rain dampens fire season – WEATHER Marin IJ – County’s list for housing mandate – SITES IDENTIFIED Marin IJ – Council reviews plan to meet housing edict – NOVATO Point Reyes Light – North Marin Water calls for patience with salinity level CBS News Bay Area – Marin County Rainfall – Water Supply Marin IJ – Marin hospitals stressed by viruses – HIGH PATIENT DEMAND Marin IJ – Weekend storm drops 2-3 inches in Marin spots – BAY AREA Marin IJ – Storm delivers water boost for local reservoirs – WEATHER Marin IJ – MMWD weighs boost in rates – GRIM FISCAL OUTLOOK |
| | | <u>Social Media Posts:</u> NMWD Web and Social Media Report – November 2022 |
| 7:30 p.m. | 18. | <i>ADJOURNMENT</i> |

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
December 6, 2022

7 **CALL TO ORDER**

8 President Petterle announced that due to the Coronavirus outbreak and pursuant to the
9 Brown Act as modified by Assembly Bill 361, this was a virtual meeting. President Petterle called
10 the regular meeting of the Board of Directors of North Marin Water District to order at 6:00 p.m.
11 and the agenda was accepted as presented. President Petterle added that there was not a public
12 location for participating in this meeting, but any interested members of the public could participate
13 remotely by utilizing the video or phone conference dial-in method using information printed on
14 the agenda. President Petterle announced that in the event of technical difficulties during the
15 meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be
16 rescheduled for a future special meeting which shall be open to the public and noticed pursuant
17 to the Brown Act.

18 President Petterle welcomed the public to participate in the remote meeting and asked
19 that they mute themselves, except during open time and while making comments on the agenda
20 items. President Petterle noted that due to the virtual nature of the meeting he will request a roll
21 call of the Directors. A roll call was done, those in remote attendance established a quorum.
22 Participating remotely were Directors Jack Baker, Rick Fraitas, Michael Joly and Stephen
23 Petterle.

24 President Petterle announced that all public attendees will be invited to speak and will
25 need to use the raised hand icon in Zoom or dial *9 to be called upon.

26 Mr. Williams performed a roll call of staff, participating remotely were, Tony Williams
27 (General Manager), Terrie Kehoe (District Secretary), Julie Blue (Auditor-Controller), Eric Miller
28 (Assistant GM/Chief Engineer), Robert Clark (Operations/Maintenance Superintendent), Chris
29 Kehoe (Interim Construction/Maintenance Superintendent), Pablo Ramudo (Water Quality
30 Supervisor) and Rebecca Sylvester (Receptionist/Customer Service Assistant). Additionally,
31 District employees Lia Solar and Eileen Mulliner joined the meeting. Also participating remotely
32 were Carl Nelson (BPMNJ, Legal Counsel).

33 President Petterle requested that for those joining the virtual meeting from the public to
34 identify themselves. Participating remotely was Ken Levin (Point Reyes Station Village
35 Association).

36 **OATH OF OFFICE**

37 The Oath of Office was given by District Secretary Terrie Kehoe to Director Fraites.

38 **REORGANIZATION OF BOARD**

39 Election of President

40 On motion of Director Baker, seconded by Director Joly, the Board elected Director Fraites
41 as President of the Board for the ensuing year by the following vote:

42 AYES: Director Baker, Fraites, Joly and Petterle

43 NOES: None

44 ABSENT: None

45 Election of Vice-President

46 On motion of Director Joly, seconded by Director Petterle, Director Baker was elected
47 Vice-President of the Board for the ensuing year by the following vote:

48 AYES: Director Baker Fraites, Joly and Petterle

49 NOES: None

50 ABSENT: None

51 Establishment of Meeting Times and Place

52 On motion of Director Joly, seconded by Director Petterle, the Board set the time and
53 place of regular meeting to be generally the first and third Tuesday of each month at 6:00 p.m. at
54 the District office, and agreed that the Board will hold one meeting annually in West Marin by the
55 following vote:

56 AYES: Director Baker, Fraites, Joly and Petterle

57 NOES: None

58 ABSENT: None

59 Establishes the Manner of Calling Special Meetings

60 On the motion of Director Baker, seconded by Director Petterle, the Board approved
61 special meetings of the Board to be held as provided that in Section 54956 of the Government
62 Code by the following vote:

63 AYES: Director Baker, Fraites, Joly and Petterle

64 NOES: None

65 ABSENT: None

66 Appointment of District Officers

67 On the motion of Director Petterle, seconded by Director Joly, the following District officers
68 were appointed for the ensuing year: Tony Williams, General Manager; Terrie Kehoe, District
69 Secretary; Julie Blue, Auditor-Controller; and Eric Miller, Assistant General Manager /Chief
70 Engineer by the following vote:

71 AYES: Director Baker, Fraiters, Joly and Petterle

72 NOES: None

73 ABSENT: None

74 Confirm Board Meeting Schedule for 2023

75 On the motion of Director Joly, seconded by Director Baker, the Board accepted the
76 proposed meeting schedule for the 2023 calendar year with the understanding that the calendar
77 may be adjusted as needed by the following vote:

78 AYES: Director Baker Fraiters, Joly and Petterle

79 NOES: None

80 ABSENT: None

81 Committee Appointments

82 President Fraiters announced that he will reappoint the same appointments unless he hears
83 otherwise.

84 **HEARING**

85 President Fraiters opened the Public Hearing at 6:09 p.m.

86 A public hearing was held to consider adopting Resolution 22-31 approving changes to
87 the Facility Reserve Charges and amending Regulation 1. Mr. Williams stated that the Facility
88 Reserve Charge Study (FRC Study) include the findings which will be considered for amendments
89 to Regulation 1 for new or expanded service connections. Mr. Williams provided a presentation
90 that summarized the FRC Study and the regulation changes. During the presentation, he noted
91 that that the objective of the FRC Study was to ensure that the charges collected reflect the
92 estimated reasonable cost of providing access to the water systems capacity for new

93 developments or expanded service, based on the estimated cost and value of the system capacity
94 in both Novato and West Marin.

95 Mr. Williams noted that there were other minor changes for clarification of the regulation.
96 The title was changed so Regulation 1 could apply to new customers, but also to connection
97 upgrades such as for Accessory Dwelling Units. Mr. Williams stated that 5/8-inch and 1-inch
98 lateral size rates are the same. He also noted that a stand-alone table for Recycled Water was
99 added for clarity and that new language was added for land use approval and a new section for
100 temporary service.

101 President Fraités asked if there were any questions from the Board.

102 Director Petterle asked for clarification of whether the entitlement was transferable to a new
103 owner, but not to a different property. Mr. Williams confirmed the entitlement stays with the
104 property.

105 President Fraités asked if there were any comments or questions from the public and there
106 was no response.

107 President Fraités closed the Public Hearing at 6:27 p.m.

108 On motion of Director Petterle, seconded by Director Baker the Board adopted Resolution
109 22-31 approving changes to the Facility Reserve Charges and amending Regulation 1 by the
110 following vote:

111 AYES: Director Baker, Fraités, Joly and Petterle

112 NOES: None

113 ABSTAIN: None

114 ABSENT: None

115 Director Joly thanked Mr. Williams for a good presentation.

116 **MINUTES**

117 On motion of Director Joly, seconded by Director Baker the Board approved the minutes
118 from the November 15, 2022 meeting as presented by the following vote:

119 AYES: Director Baker, Fraités, Joly and Petterle

120 NOES: None

121 ABSTAIN: None

122 ABSENT: None

123 **GENERAL MANAGER'S REPORT**

124 Mr. Williams reported on December 2nd, the Marin County Health Officer upgraded
125 the Covid-19 health concerns to a medium community level. He noted that staff will continue to
126 monitor the status of conditions and will continue to discuss the status of the virtual meeting
127 format. Mr. Williams added that over the holiday he was in the emergency room and saw first
128 hand people with seasonal flu, Covid-19 and RSV. He also referred to the articles in the agenda
129 packet under miscellaneous.

130 Mr. Williams announced that on November 30th Sonoma Water held a tour at some of their
131 key facilities for the NMWD staff. He stated that he, Chris Kehoe, and the NMWD engineers
132 attended and it was a very informative tour. Mr. Williams noted that he had a chance to meet with
133 some of the SCWA staff, including Kent Gylfe, the new Director of Engineering who replaced Jay
134 Jasperse.

135 Mr. Williams informed that the Board that staff from the County of Marin requested that he
136 and Mr. Miller participate in a follow up meeting regarding the Dillon Beach Wastewater Study.
137 He reminded the Board that back in October he brought this to the Board of Directors and per
138 their direction sent a letter to the County of Marin regarding the District's position on the Study.
139 Mr. Williams noted that he will report back to the Board once staff finds out more about the project.

140 Mr. Williams reported that Lake Sonoma has fallen below 100,000 AF, and SCWA has
141 submitted another Temporary Urgency Change Petition to the state since the current Order
142 expires on December 14th. He added that there is no concern that a 30% reduction in allocations
143 will occur.

144 Mr. Williams noted that during the period of July through October, NMWD exceeded the
145 required 20% reduction (closer to 28%) in allocation from SCWA per the current Temporary
146 Urgency Change Order from the state. He added that as a whole the water contractors exceeded
147 the 20% reduction.

148 Mr. Williams announced that on January 11, 2023, from 2:30 p.m. to 4:30 p.m. at the
149 Dance Palace there will be a celebration of the Gallagher Well No. 2 Project.

150 President Fraithe asked if there were any questions from the Board.

151 Director Joly asked how the SCWA well coming along as far as rainwater catchment. Mr.
152 Williams replied that the SCWA well at Todd Road is going great at 1M gallons per day. He noted
153 that they are a little behind schedule on the Sebastopol Well, but SCWA is hoping it will be online
154 early next year. Mr. Williams added that the third well off Occidental Road will need more time
155 for design improvements. Director Joly asked if the wells would be able to capture water from an
156 atmospheric river at this time. Mr. Williams replied that the wells are very deep and the recharge

157 of the aquifer is slow and is not a one to one relationship. He added that they are a couple of
158 years off to be able to have the ability to inject water down as a recharge project. Mr. Williams
159 noted that there is no doubt that recharge of the Santa Rosa plain will be beneficial over time.

160 President Fraites asked if there were any comments or questions from the public and there
161 was no response.

162 **OPEN TIME**

163 President Fraites asked if anyone from the public wished to bring up an item not on the
164 agenda.

165 Mr. Levin thanked the Board and staff for all they are doing. He asked if the Gallagher
166 Well No. 2 celebration was going to be at the Gallagher Ranch or somewhere else in West Marin.
167 Mr. Williams replied that he has not secured the reservation yet, however we are looking to hold
168 the celebration at the Dance Palace in Point Reyes Station. Mr. Levin replied that this was a good
169 choice and he will pass the word around.

170 **STAFF/DIRECTORS REPORTS**

171 President Fraites asked if any Directors or staff wished to bring up an item not on the
172 agenda and there was no response.

173 **CONSENT CALENDAR**

174 On the motion of Director Joly, and seconded by Director Baker the Board approved the
175 following item on the consent calendar by the following vote:

176 AYES: Director Baker, Fraites, Joly and Petterle

177 NOES: None

178 ABSTAIN: None

179 ABSENT: None

180 **RE-AUTHORIZING MEETINGS BY TELECONFERENCE OF LEGISLATIVE BODIES OF**
181 **NORTH MARIN WATER**

182 The Board approved Re-Authorizing Meetings by Teleconference of Legislative Bodies of
183 North Marin Water District. Resolution 22-32 will extend the continuation of teleconference
184 meetings effective December 6, 2022 through January 5, 2023 pursuant to Brown Act provisions.

185 **EXTENSION OF HALF MOON TANK LICENSE AGREEMENT FOR NOVATO SANITARY**
186 **DISTRICT ANTENNA**

187 The Board approved the extension of the Half Moon Tank License Agreement for Novato
188 Sanitary District Antenna. The current license runs through January 31, 2023 with a provision to
189 extend the term of the agreement for an additional ten years and Novato Sanitary District has
190 requested to exercise this option.

191 **ACTION ITEMS**

192 **RESOLUTION OF APPRECIATION FOR JAMES GROSSI**

193 Director Fraites stated that he is presenting a Resolution of Appreciation to the Board for
194 Director James Grossi in recognition of his service on the NMWD Board from 2017 through 2022.
195 He noted that Director Grossi served as President of the Board in 2021 and also served on the
196 Drought Ad-hoc Committee. Director Fraites expressed his sincere appreciation and commended
197 Director Grossi for his years of devoted public service and his invaluable and numerous
198 contributions to North Marin Water District and the Novato and West Marin Communities.

199 President Fraites asked if there were any comments or questions from the Directors.

200 Director Petterle applauded the resolution.

201 On the motion of Director Petterle, and seconded by Director Joly the Board approved the
202 Resolution of Appreciation for Director James Grossi in recognition of his service on the NMWD
203 Board from 2017 through 2022 by the following vote:

204 AYES: Director Baker, Fraites, Joly and Petterle

205 NOES: None

206 ABSTAIN: None

207 ABSENT: None

208 **INFORMATION ITEMS**

209 **QUARTERLY FINANCIAL STATEMENT**

210 Ms. Blue presented the Quarterly Financial Statement ending September 30, 2022. Ms.
211 Blue reported that the Operating Revenue came in at 4% under budget and Operating Expense
212 came in 2% over budget. She added that through September net income of \$1.7M was generated
213 and \$2.1M has been spent towards capital projects this fiscal year. In Novato, Ms. Blue reported
214 \$1.3M in net income for the fiscal year to date. Ms. Blue stated that the Recycled Water Operating
215 Revenue was less than last year and total operating expense was 2% less than the prior year
216 same period. She added that in West Marin the net income was \$50,295 and \$245,611 of the
217 capital improvement projects were expended. Ms. Blue reported in Oceana Marin the net income
218 through September was \$23,600 and there were no connection fees collected in West Marin or
219 Oceana Marin.

220 President Fraites asked if there were any comments or questions from the Directors and
221 there were none.

222 President Fraites asked if there were any comments or questions from the public and there
223 was no response.

224 **COMMENTS ON DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE COUNTY OF MARIN**

225 **HOUSING ELEMENT UPDATE, OCTOBER 2022**

226 Mr. Miller reported on the comments on the Draft Environmental Impact Report (DEIR) for
227 the County of Marin Element Update for October 2022. He noted that District staff reviewed the
228 County's Housing Element Update and the DEIR for the planning period 2023 through 2031. and
229 staff submitted a comment letter to the County of Marin which included ten comments in regards
230 to the Draft EIR. He noted that the District's consultant EKI who developed the 2020 Urban Water
231 Management Plan (UWMP), indicated an approximate 3% increase in potable water demand for
232 the period up to 2045 because of higher number of housing units. He noted that staff are not
233 overly concerned with revised numbers; but plan to follow the progression of the County and City
234 housing developments.

235 President Fraites asked if there were any comments or questions from the Directors.

236 Director Joly asked what the significance of the high demand of water was in extreme
237 drought and what proposals do we need to make. Mr. Williams replied that what we are doing
238 regardless of the housing process is to work closely with SCWA on the annual demand and supply
239 assessment. He stated that, we will look at multiple dry years and what the situation will be with
240 SCWA as our prime supplier, noting there is more analysis still to come. Mr. Williams reported
241 that the County of Marin moved potential housing units from West Marin to the east and some
242 within our district.

243 Director Joly asked if different agencies have a different agenda regarding housing, noting
244 we deliver a vital resource and at what point can we say we cannot go forward with this mandate.
245 Mr. Williams replied that the EIR is a good report covering water supply issues, and we currently
246 prohibit new connections unless they use recycled water for landscape irrigation. He added that
247 the District does not have land use authority, or enough data to support a prohibition. Mr. Williams
248 noted that future development is somewhat hypothetical and staff will be relooking at the demand
249 and supply projections listed in the 2020 UWMP.

250 A discussion followed regarding housing developments, affordable housing, and water
251 supply. Director Petterle discussed affordable housing and water supply and added that MMWD
252 has been looking for water supply for a long time, then the voters prohibited a desalination plant.
253 He added that we need to make sure to get the word out to our customers that we are doing what
254 we can to address these issues. Mr. Williams added that our Facility Reserve Charge is relatively
255 high, because we do include cost of the new supply as well as infrastructure in the FRC
256 calculation, such as known projects like Stafford Dam modifications, the new well in West Marin
257 and SCWA projects.

258 Director Fraites stated that he understands affordable housing is in great demand,

259 however in some areas like near the Buck Center where there are million plus dollar homes, that
260 is not affordable. Director Fraites noted that housing should be affordable and located near the
261 transportation hubs. He added that the public needs to know what the District is up against and
262 the more said the better.

263 President Fraites asked if there were any comments or questions from the public.

264 Mr. Levin stated that the issue with the Building Association in West Marin has been
265 raised. He added that housing needs assessment and is driven by the building trades and does
266 not pinpoint affordability. Mr. Levin noted that if we could limit infrastructure modifications to apply
267 to affordable housing we would be in good shape, however it is extremely political and we need
268 to encourage the County of Marin to push back. He added that if we don't have the water from
269 our wells in West Marin, or even enough water from Sonoma County for the Novato area, it is
270 crazy to be building hundreds of units. Mr. Levin stated that he encourages the Board to track
271 this.

272 Director Joly asked what was the year that we need to comply and measure up to the
273 state's mandate. Mr. Miller replied that the planning horizon is 2035, adding the County of Marin
274 did not meet the last housing element. Mr. Williams stated that there is a lot of speculation on
275 what would happen, noting 2030 is an important milestone. Mr. Williams added based on what
276 staff knows for future development, by 2030 recycled water will no longer offset potable demand
277 unless there is a change where and when the development occurs. Director Joly asked about
278 how this relates to the continued drought and Mr. Miller stated that in a multiyear drought NMWD
279 wouldn't have enough water available and we may see limited purchase of water supply from
280 SCWA. He added that Stafford Lake is limited to the amount of water it can treat throughout the
281 year and when adding the two together it is not enough to meet demand if fully built out. Mr.
282 Williams stated that SCWA has a final technical memo on supply enhancements projects they
283 would have to undertake in order to create other forms of supply. He added that NMWD's Drought
284 Ad-hoc Committee is looking at ways to make more water available; but we don't know the answer
285 at this stage.

286 Director Fraites commended Mr. Miller and Mr. Williams for a good report.

287 President Fraites asked if there were any comments or questions from the public and there
288 was no response.

289 **NBWA MEETING – DECEMBER 2, 2022**

290 Director Fraites reported on the NBWA meeting that was held on December 2, 2022. He
291 stated that the presentation was given by Rick Thomasser, manager of the Napa County Flood
292 Control and Water Conservation District and was about the Milliken Creek Flood Reduction and

293 Fish Passage Project; in which the multi-benefit dam removal and riparian corridor restoration
294 was made possible by local partnerships with regional support. Director Fraites added that the
295 work included removing a 67-year-old dam and restoring access to over 1,000 feet of spawning
296 and rearing habitat for native steelhead trout.

297 President Fraites asked if there were any comments or questions from the Directors and
298 there were none.

299 President Fraites asked if there were any comments or questions from the public and there
300 was no response.

301 **MISCELLANEOUS**

302 The Board received the following miscellaneous items: Disbursements – Dated November
303 17, 2022, Disbursements – Dated November 23, 2022, Disbursements – Dated December 1,
304 2022, NOTICE OF BOARD VACANCY, Point Reyes Light - Salinity Notice – November 17, 2022,
305 Point Reyes Light - Salinity Notice – November 23, 2022, Point Reyes Light - Salinity Notice –
306 December 1, 2022, NOAA Three Month Precipitation Outlook – December, January, February,
307 NOAA Seasonal Drought Outlook, Notice of Special Meeting, Marin IJ– James Grossi, Jr. –
308 Obituary, Marin IJ – Judy Schriebman – Obituary, Marin IJ – Notice of Public Hearing North Marin
309 Water District- November 21, 2022, Marin IJ – Notice of Public Hearing North Marin Water District-
310 November 28, 2022, Point Reyes Light – Notice of Public Hearing North Marin Water District –
311 November 23, 2022, Point Reyes Light – Notice of Public Hearing North Marin Water District –
312 December 1, 2022, Forestry Corps Letter of Support and California Department of Water
313 Resources – New Report Shows Continued Water Conservation is Key to Enabling Suppliers to
314 Meet Demand.

315 The Board received the following news articles; Point Reyes Light – North Marin Water
316 District’s new well is up and running; Marin IJ – Landowner’s new push to expand county park –
317 NOVATO; Marin IJ – Current affairs – Coho salmon spawners heading upstream after rains –
318 WEST MARIN; Marin IJ – Marin officials pan key housing mandate report – ENVIRONMENTAL
319 IMPACTS; Marin IJ – California Coastal Commission approves new desalination plant
320 MONTEREY BAY; Marin IJ – Squeeze on Marin medical system – RESPIRATORY CASES;
321 Marin IJ – Utility: Housing to strain system – NORTH MARIN WATER DISTRICT; Marin IJ – Utility
322 to appoint successor to seat of late director – NORTH MARIN WATER DISTRICT; Marin IJ –
323 State outlook mixed for winter COVID-19 wave – CORONAVIRUS; Marin IJ – Dry years pose
324 rising risk for ecosystems, rural areas – STATE DROUGHT and Marin IJ – Weather outlook for
325 Marin turns wet and colder – THE COUNTY

326 **ADJOURNMENT**

327 President Fraites adjourned the meeting at 7:19 p.m.
328 Submitted by
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330 Theresa Kehoe
331 District Secretary
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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF SPECIAL MEETING
OF THE BOARD OF DIRECTORS
December 6, 2022

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CALL TO ORDER

President Petterle called the Special Meeting of the Board of Directors of North Marin Water District to order at 2:00 p.m. at the District office and the agenda was accepted as presented. Present were Directors Jack Baker, Rick Fraites, Michael Joly, and Stephen Petterle. Also present was General Manager Tony Williams

CLOSED SESSION -EXECUTIVE ASSISTANT/DISTRICT SECRETARY INTERVIEWS

President Petterle called the Closed Session to order at 2:01 p.m.

Mr. Williams reminded the Board that current District Secretary, Terrie Kehoe, will be retiring from the District on February 3, 2023 after 35+ years with the District. He advised the Board that an internal job recruitment was conducted for the position and three employees applied. He informed the Board that on December 1, 2022, Ms. Blue, Mr. Miller, Mr. Clark, Mr. Ramudo and Laura McDowall (City of Novato) conducted initial interviews with all three candidates. Following the initial interviews, each candidate was given two practical tests to demonstrate certain administrative skills. Mr. Williams advised the Board that interviews are being conducted for the top two candidates to solicit input from the Directors for eventual appointment of a new Executive Assistant/District Secretary.

The Board conducted interviews with the two candidates, (Eileen Mulliner and Rebecca Sylvester) and provided input to Mr. Williams and authorized him to make an offer to the top candidate.

President Petterle ended the Closed Session at 3:40 p.m.

ADJOURNMENT

President Petterle adjourned the meeting at 3:45 p.m.

Submitted by

Theresa Kehoe
District Secretary

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36 Director Fraites: first choice, Ken Eichstaedt

37 Director Petterle: first choice, Ken Eichstaedt

38 Director Baker: first choice Ken Eichstaedt

39 Director Joly: first choice, Ken Eichstaedt

40 On motion of Director Joly, seconded by Director Baker and unanimously approved by the
41 Board, Ken Eichstaedt was appointed as a Director of the North Marin Water District to fill the
42 remaining term vacated by James Grossi by the following vote:

43 AYES: Directors Baker, Fraites, Joly, and Petterle

44 NOES: None

45 The Board expressed great gratitude to the candidates who had participated in the process,
46 noting the District had been fortunate to have a number of excellent candidates apply and the
47 decision by the Board to appoint a new member had not been easy, adding either candidate would
48 be an asset to the Board.

49 **SWEARING IN OF APPOINTED BOARD MEMBER**

50 District Secretary, Terrie Kehoe swore in Ken Eichstaedt to be the new NMWD Board of
51 Director for Division 1.

52 **ADJOURNMENT**

53 President Fraites adjourned the meeting at 7:11 p.m.
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55 Submitted by

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59 Theresa Kehoe

60 District Secretary

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MEMORANDUM

To: Board of Directors December 20, 2022

From: Tony Williams, General Manager *ABW*

Subject: Re-Authorizing – Meetings by Teleconference of Legislative Bodies of North Marin Water District

t:\gm\bod misc 2022\board of directors meetings by teleconference 12.20.22 final.doc

RECOMMENDED ACTION: Adopt Resolution No. 22-XX: "Resolution Finding Proclaimed State of Emergency, That Local Officials Continue to Recommend Physical Distancing, and that Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District from December 20, 2022 through January 19, 2023 Pursuant to Brown Act Provisions".

FINANCIAL IMPACT: None

As authorized by the Governor's Executive Order N-29-20, Board meetings have been held virtually since March 17, 2020 to protect attendees, including members of public, District employees, and Board members, from potential exposure to the novel coronavirus disease 2019 ("COVID-19"). On June 11, 2021, the Governor issued Executive Order N-08-21 which rescinded these temporary modifications to the Brown Act, effective September 30, 2021. On September 16, 2021, the Governor signed Assembly Bill 361 (2021) ("AB 361") amending the Brown Act to allow local legislative bodies to continue to conduct meetings virtually under specified conditions and pursuant to special rules on notice, attendance, and other matters. AB 361 took full effect on October 1, 2021.

AB 361 authorizes the Board of Directors to meet virtually during declared states of emergency without noticing the location of individual Board Members or requiring such locations to be open to the public if certain findings are made and certain procedures are followed. Where a virtual meeting is held pursuant to AB 361, the members of the public must be able to observe and participate during the meeting.

Approved by GM *ABW*

Date *12/16/2022*

The Governor's March 4, 2021 declaration of a State of Emergency remains in effect. On December 15, 2021, the State reinstated a universal masking requirement for all individuals while indoors to help combat the surge in COVID-19 cases due to the Omicron variant. On December 30, 2021, Marin County Health and Human Services issued new guidance changing the local rules on masking to align with the State mandate. On February 7, 2022, the State issued a new health order, effective February 16, 2022, which limits indoor masking requirements to specified indoor settings and unvaccinated individuals. However, both the State and Marin County Health and Human Services continue to recommend wearing masks while indoors. CDC, OSHA, and Cal/OSHA continue to recommend mask wearing and physical distancing of at least six feet while indoors to protect against transmission of COVID-19. Therefore, the current circumstances support a determination by the Board that meeting in person would continue to present imminent risks to the health and safety of attendees.

On October 5, 2021, the Board adopted Resolution 21-22, thereby finding a proclaimed state of emergency, that local officials continue to recommend physical distancing, and that meeting in person would present imminent risks to the health or safety of attendees; and authorizing meetings by teleconference of legislative bodies of North Marin Water District from October 5, 2021 through November 4, 2021 pursuant to Brown Act provisions.

On November 2, 2021, November 16, 2021, December 7, December 21, 2021, January 18, 2022, February 15, 2022, March 15, 2022, April 5, 2022, May 3, 2022, May 17, 2022, June 7, 2022, June 21, 2022, July 19, 2022, August 16, 2022, September 6, 2022, October 4, 2022, November 1, 2022, November 15, 2022 and December 6, 2022 the Board adopted Resolutions 21-26, -27, -28, -30, 22-01, -04, -05, -06, -12, -15, -17, -20, -24, -26, -27, -28, -29, -30, -32 respectively, thereby finding a proclaimed state of emergency, that local officials continue to recommend physical distancing, and that meeting in person would present imminent risks to the health or safety of attendees; and re-authorizing meetings by teleconference of legislative bodies of North Marin Water District for 30 days pursuant to the Brown Act provisions.

If adopted, Resolution No. 22-XX will allow the Board to continue to meet virtually for another 30 days, after which the Board will need to reconsider its findings and confirm the need to hold virtual meetings. This reconsideration and confirmation will need to occur every thirty days until the Board determines it is safe to meet in person.

RECOMMENDED ACTION:

Adopt Resolution No. 22-XX: "Resolution Finding Proclaimed State of Emergency, That Local Officials Continue to Recommend Physical Distancing, and that Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District from December 20, 2022 through January 19, 2023 Pursuant to Brown Act Provisions".

ATTACHMENTS: 1 – Resolution 22-XX

RESOLUTION NO. 22-XX

RESOLUTION OF THE BOARD OF DIRECTORS OF NORTH MARIN WATER DISTRICT FINDING PROCLAIMED STATE OF EMERGENCY, THAT LOCAL OFFICIALS CONTINUE TO RECOMMEND PHYSICAL DISTANCING, AND THAT MEETING IN PERSON WOULD PRESENT IMMINENT RISKS TO THE HEALTH OR SAFETY OF ATTENDEES; AND RE-AUTHORIZING MEETINGS BY TELECONFERENCE OF LEGISLATIVE BODIES OF NORTH MARIN WATER DISTRICT FROM DECEMBER 20, 2022 THROUGH JANUARY 19, 2023 PURSUANT TO BROWN ACT PROVISIONS

WHEREAS, all meetings of the legislative bodies of the North Marin Water District (“District”) are open and public, as required by the Ralph M. Brown Act (“Brown Act”), Government Code Section 54950, *et seq*, and any member of the public may observe, attend, and participate in the business of such legislative bodies; and

WHEREAS, on March 4, 2020, Governor Newsom declared a State of Emergency as a result of the rapid spread of the novel coronavirus disease 2019 (“COVID-19”); and

WHEREAS, on March 10, 2020, the Board of Supervisors of the County of Marin ratified proclamations of health and local emergency due to COVID-19; and

WHEREAS, on March 16, 2020, the City Council of the City of Novato ratified and confirmed a proclamation of local emergency due to COVID-19;

WHEREAS, on March 17, 2020, in response to the COVID-19 pandemic, Governor Newsom issued Executive Order N-29-20 suspending certain provisions of the Brown Act in order to allow local legislative bodies to conduct meetings telephonically or by other means, after which District staff implemented virtual meetings for all meetings of legislative bodies within the District; and

WHEREAS, on June 11, 2021, Governor Newsom issued Executive Order N-08-21, which terminated the provisions of Executive Order N-29-20 that allows local legislative bodies to conduct meetings telephonically or by other means effective September 30, 2021; and

WHEREAS, on September 16, 2021, Governor Newsom signed Assembly Bill 361 (2021) (“AB 361”), which amended the Brown Act to allow local legislative bodies to continue to conduct meetings by teleconference under specified conditions and pursuant to special rules on notice, attendance, and other matters; and

WHEREAS, AB 361 took full effect on October 1, 2021, and makes provisions under Government Code section 54953(e) for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

WHEREAS, it is further required that state or local officials have imposed or, local officials have recommended, measures to promote social distancing, or, the legislative body must find that meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, on October 5, 2021, the Board of Directors previously adopted Resolution No. 21-22, finding that the requisite conditions exist for the legislative bodies of North Marin Water District (“District”) to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 2, 2021, the Board of Directors previously adopted Resolution No. 21-26, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 16, 2021, the Board of Directors previously adopted Resolution No. 21-27, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on December 7, 2021, the Board of Directors previously adopted Resolution No. 21-28, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on December 21, 2021, the Board of Directors previously adopted Resolution No. 21-30, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on January 18, 2022, the Board of Directors previously adopted Resolution No. 22-01, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on February 15, 2022, the Board of Directors previously adopted Resolution No. 22-04, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on March 15, 2022, the Board of Directors previously adopted Resolution No. 22-05, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on April 5, 2022, the Board of Directors previously adopted Resolution No. 22-06, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on May 3, 2022, the Board of Directors previously adopted Resolution No. 22-12, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on May 17, 2022, the Board of Directors previously adopted Resolution No. 22-15, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on June 7, 2022, the Board of Directors previously adopted Resolution No. 22-17, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on June 21, 2022, the Board of Directors previously adopted Resolution No. 22-20, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on July 19, 2022, the Board of Directors previously adopted Resolution No. 22-24, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on August 16, 2022, the Board of Directors previously adopted Resolution No. 22-26, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on September 6, 2022, the Board of Directors previously adopted Resolution No. 22-27, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on October 4, 2022, the Board of Directors previously adopted Resolution No. 22-28, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 1, 2022, the Board of Directors previously adopted Resolution No. 22-29, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 15, 2022, the Board of Directors previously adopted Resolution No. 22-30, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on December 6, 2022, the Board of Directors previously adopted Resolution No. 22-32, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, as a condition of extending the use of the provisions found in section 54953 (e), the Board of Directors must reconsider the circumstances of the state of emergency that exists in the District, and the Board of Directors has done so; and

WHEREAS, emergency conditions continue to persist in the District, specifically, the State of Emergency for the State of California declared by Governor Newsom as a result of the COVID-19 pandemic remains in effect; and

WHEREAS, the Centers for Disease Control and Prevention (“CDC) recommends physical distancing of at least six feet from unvaccinated individuals while indoors; and

WHEREAS, “Protecting Workers: Guidance on Mitigating and Preventing the Spread of COVID-19 in the Workplace,” promulgated by the Occupational Safety and Health Administration (“OSHA”) under the United States Department of Labor, provides that “[m]aintaining physical distancing at the workplace for unvaccinated and at-risk workers is an important control to limit the spread of COVID-19” and recommends that employers train employees about the airborne nature of COVID-19 and importance of exercising multiple layers of safety measures, including physical distancing, and that employers implement “physical distancing in all communal work areas for unvaccinated and otherwise at-risk workers,” including physical distancing from members of the public, as a “key way to protect such workers”; and

WHEREAS, Title 8, Section 3205, subdivision (c)(5)(D) of the California Code of Regulations, promulgated by the Division of Occupational Safety and Health of the California Department of Industrial Relations (“Cal/OSHA”), requires employers to provide instruction to employees on using a combination of “physical distancing, face coverings, increased ventilation indoors, and respiratory protection” to decrease the spread of COVID-19; and

WHEREAS, the Board of Directors recognizes the recommendations by state and local officials to use physical distancing as a layer of protection against COVID-19 and desires to continue to provide a safe workplace for its employees and a safe environment for the open and public meetings of the District’s legislative bodies; and

WHEREAS, due to the continued threat of COVID-19, the District continues to implement multiple layers of protection against COVID-19, including physical distancing, for the safety of employees and members of the public; and

WHEREAS, while the District believes District work-related activities may be conducted safely in person through imposition of various safety protocols, Board meetings continue to present a unique challenge due to their being open to the public generally, with limited space in the boardroom, and no ability to verify vaccination status or to provide contact tracing for potentially exposed individual attendees; and

WHEREAS, the Board of Directors hereby finds that the presence of COVID-19 and the increase of cases due to the Omicron variant has caused, and will continue to cause, conditions of concern to the safety of certain persons within the District, including older and

immunocompromised individuals that are likely to be beyond the control of the services, personnel, equipment, and facilities of the District, and, therefore, continues to present imminent risks to the health or safety of attendees, including members of the public and District employees, should meetings of the District's legislative bodies be held in person; and

WHEREAS, as a consequence of the local emergency persisting, the Board of Directors does hereby find that the legislative bodies of North Marin Water District shall continue to conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall continue to comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, the District will continue to conduct meetings for all meetings of legislative bodies within the District virtually (i.e. through the use of Zoom, or similar virtual meeting provider) and/or telephonically, in conformance with requirements under the Brown Act.

THEREFORE, BE IT RESOLVED by the Board of Directors of the North Marin Water District as follows:

1. The above recitals are true and correct and hereby incorporated into this Resolution.
2. In compliance with the special teleconference rules of Section 54953 of the Government Code, as established by Assembly Bill 361 (2021), the Board of Directors hereby makes the following findings:
 - a. The Board of Directors has considered the circumstances of the state of emergency; and
 - b. The states of emergency, as declared by the Governor, continue to impact directly the ability of the District's legislative bodies, as well as staff and members of the public, to safely meet in person;
 - c. The CDC, and Cal/OSHA continue to recommend physical distancing of at least six feet to protect against transmission of COVID-19; and
 - d. Meeting in person would continue to present imminent risks to the health and safety of members of the public, members of the District's legislative bodies, and District employees due to the continued presence and threat of COVID-19.
3. The District's legislative bodies may continue to meet remotely from December 6, 2022 through January 5, 2023 in compliance with the special teleconference rules of Section 54953 of the Government Code, as amended by Assembly Bill 361 (2021), in order to protect the health and safety of the public.
4. The Board of Directors will review these findings and the need to conduct meetings by teleconference within thirty (30) days of adoption of this resolution.

* * * * *

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the 20th day of December 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

Theresa Kehoe, Secretary
North Marin Water District



Resolution Meetings by Teleconference 12.20.22 final

8



MEMORANDUM

To: Board of Directors December 20, 2022

From: Eric Miller, Assistant General Manager/Chief Engineer 
 Tim Fuelle, Senior Engineer 

Subject: Notice of Completion for Old Ranch Road Tank No. 2 Project (Maggiora & Ghilotti)

R:\Folders by Job No\6000 jobs\6207.20 Old Ranch Rd Tank Repl\7. BOD Memos\6207.20 Notice of Completion BOD memo.doc

RECOMMENDED ACTION: Authorize the General Manager to execute and file a Notice of Completion for the Old Ranch Road Tank No. 2 project

FINANCIAL IMPACT: None

Pursuant to and in conformance with contract requirements for the Old Ranch Road Tank No. 2 project, the contractor, Maggiora & Ghilotti (M&G), has fulfilled their obligations under the contract. All work performed by M&G has been inspected by District staff, and corrections of all work deficiencies and punch list items have been completed. M&G's work was completed on June 28, 2022.

Per the contract documents, M&G has furnished written notice that the work is complete and that all subcontractors and equipment suppliers have been paid (Attachment 1). M&G has released the District of all claims. A Notice of Completion is provided as Attachment 2 which, if approved, will be filed with Marin County on December 21, 2022. Final payment (for monies held in retention) in the amount of \$62,807.50 will be processed for release, on or after January 25, 2023 subject to absence of any additional claims filed during the 30-day notice period.

PROJECT COST SUMMARY

The Board approved award of the contract to M&G for \$1,187,187 for the Old Ranch Road Tank No. 2 project, along with a contingency amount of \$145,000, which represents approximately 12% of the base contract value. Total payment to M&G will be \$1,276,325 which is 7.5% above the base contract budget approved by the Board at the time of award.

RECOMMENDATION

Authorize the General Manager to execute and file the Notice of Completion for the Old Ranch Road Tank No. 2 project.

ATTACHMENTS: 1. Conditional Waiver Release and Certificate of Final Payment
 2. Notice of Completion

Approved by GM 

Date 12/16/2022

**NORTH MARIN WATER DISTRICT
CONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT**

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT'S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT HAS RECEIVED PAYMENT.

| | |
|--|--------------------------------|
| Name of Claimant: Maggiora & Ghilotti, Inc. | Job: Old Ranch Road Tank No. 2 |
| Name of Customer: North Marin Water District | Job No.: 1 6207.20 |
| Job Location: Old Ranch Rd, Novato, CA | Contract Dated: June 28, 2021 |

Certification of Final Payment

With reference to said contract, as amended, between the undersigned contractor and the North Marin Water District (District), the undersigned hereby certifies and represents that it has made full payment of all costs, charges and expenses incurred by it or on its behalf for work, labor, services, materials and equipment supplied to the foregoing site and/or used in connection with its work under said contract.

The undersigned further certifies that to its best knowledge and belief, each of its subcontractors and materialmen has made full payment of all costs, charges and expenses incurred by them or on their behalf for work, labor, services, materials and equipment supplied to the foregoing site and/or used by them in connection with the undersigned's work under said contract.

Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. This document is effective only on the claimant's receipt of payment from the financial institution on which the following check is drawn:

Maker of Check: North Marin Water District
Amount of Check: \$62,807.50
Check Payable to: Maggiora & Ghilotti, Inc.

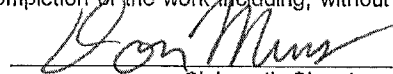
Exceptions

This document does not affect any of the following:
Disputed claims for extras in the amount of: \$

If none, write "NONE" in the space above. If the space above is left blank, it is interpreted that "NONE" is claimed. Any claims excepted must be described and the specific amount claimed must be set forth.

Signature

The foregoing shall not relieve the undersigned of its obligations under the provisions of said contract, as amended, which by their nature survive completion of the work including, without limitation, warranties, guarantees and indemnities.



Claimant's Signature

DON MUNS GENERAL SUPERINTENDENT

Printed Name and Title of Claimant

11/30/22

Date of Signature

Distribution:
Original: Contractor
Copy: Job File

Consistent with
Civil Code Section 8136

Posting requested by:

NORTH MARIN WATER DISTRICT

After Posting Time has Expired Mail To:

North Marin Water District
P. O. Box 146
Novato, CA 94948-0146

NORTH MARIN WATER DISTRICT
NOVATO, CALIFORNIA

NOTICE OF COMPLETION

To: Marin County Clerk
3501 Civic Center Dr., Rm 234
San Rafael, CA 94903

Date: _____, 2022

File No.: 1 6207.20

Date of Completion: June 28, 2022

Owner: North Marin Water District
999 Rush Creek Place
Novato, CA 94947

OWNER'S ESTATE OR INTEREST:

Easement _____ Fee Title X Encroachment Permit _____
Other (describe) _____

CONTRACTOR:

Maggiora & Ghilotti
555 DuBois St
San Rafael, CA 94901

TITLE OF PROJECT: Old Ranch Road Tank No. 2

DESCRIPTION OF PROJECT: In general, the Work consists of but is not limited to site clearing, grubbing, and grading for the construction of a new 100,000 gallon bolted stainless steel potable water storage tank, associated appurtenances, inlet/outlet piping, overflow piping, and a new access road off Old Ranch Road, miscellaneous improvements and new tree planting required for tree removal mitigation.

DESCRIPTION OF SITE (LOCATION): Old Ranch Road, Novato, CA

Final payment will be made to the above contractor on or after 35 days from the recording date of this notice of completion, except where otherwise provided for by law.

The undersigned under penalty of perjury says that he is the General Manager of the North Marin Water District, the public agency authorizing the work or improvement referred to in the foregoing notice of completion; that he has executed such notice of completion on behalf of such public agency and likewise makes this verification on behalf of said public agency pursuant to authority granted by the District's Board of Directors; and that he has read said notice of completion and knows the contents thereof and that the facts therein stated are true.

Anthony Williams, General Manager

VERIFICATION
STATE OF CALIFORNIA)
COUNTY OF MARIN)

THE UNDERSIGNED, declares that he has read the foregoing notice, knows the contents thereof, and the same is true of his own knowledge. I certify under penalty of perjury that the foregoing is true and correct.

SEAL:

Anthony Williams, General Manager

Date and Place

Disposition:
Original: County Recorder
Copy: Contractor
Copy: Project File

9



MEMORANDUM

To: Board of Directors December 20, 2022

From: Eric Miller, Assistant General Manager/Chief Engineer *EM*
 Avram Pearlman, Associate Engineer *AP*

Subject: Amend Consulting Services Agreement - Wood Rodgers (WR)
r:\non job no issues\consultants\wood rodders\agmts_bod memos\contract amend 2\wood rodders gsa contract amend 2 bod memo 12-22.doc

RECOMMENDED ACTION: Authorize the General Manager to amend the General Consulting Services Agreement with Wood Rodgers

FINANCIAL IMPACT: \$25,000 (No budget augmentation needed at this time)

At the November 17, 2020 meeting, the Board approved a General Consulting Services Agreement with Wood Rodgers (WR) for \$30,000 for various projects, with the primary focus on the Gallagher Well No. 2 project. At the August 2, 2022 meeting, the Board approved the first amendment to the agreement for an additional \$20,000 related to final design services for the Gallagher Well No. 2 project. The purpose of this memo is to request a second amendment to the General Consulting Services Agreement with WR for professional services related to the rehabilitation of Gallagher Well No. 1.

BACKGROUND

With the recent completion of the Gallagher Well No. 2 project and the new well being put into service in November 2022, the District's West Marin distribution system has experienced significant improvements to salinity levels. Given the high production rate of the new well the District is currently able to fully supply the West Marin Service Area without use of the Coast Guard Wells. Unfortunately, there will likely be instances in the future where the District will need to take Gallagher Well No. 2 offline for maintenance or disinfection, and will therefore be reliant on the Coast Guard Wells to meet system demand. The distribution system will likely experience noticeable levels of salinity in situations where the Coast Guard Wells are used again.

Gallagher Well No. 1 has shown a decrease in production over the years from an expected yield of 175 GPM down to its current output of 70 GPM. Due to this reduced production rate, Gallagher Well No. 1 is unable to fully support system demands when Gallagher Well No. 2 is taken offline. In an effort to improve redundancy in the water supply for the West Marin Service Area, the District is looking at options to rehabilitate Gallagher Well No. 1 with the goal of increasing output flow rates and minimizing reliance on the Coast Guard Wells.

Approved by GM *EM*

Date *12/16/2022*

WR represented the District as the Engineer of Record for the design and construction oversight for the new Gallagher Well No. 2 project. Throughout the process they have proven to be knowledgeable and thorough in representing the best interest of the District. Having been onsite and familiar with well rehabilitation, WR is a good candidate to oversee the rehabilitation of Gallagher Well No. 1.

SCOPE OF WORK

Following field inspections of existing conditions at Gallagher Well No. 1, WR will provide the District with a feasibility assessment for increasing well capacity and recommendations for rehabilitation. WR will also provide project management and inspection services during the construction phase of the project. To reduce consultant expenses, District staff will participate in the design phase when possible. A detailed scope of work is included as Attachment 1.

EXPENDITURES

A cost breakdown of the initial agreement and Amendment 1 is summarized as follows:

| | |
|--------------------------------|------------|
| Initial Agreement Amount | \$30,000 |
| Amendment 1 | \$20,000 |
| Adjusted Agreement Amount | \$50,000 |
| Projects (expended to date) | |
| Gallagher Well 02 | <\$36,021> |
| Remaining Balance on Agreement | \$13,979 |

WR expenditures currently total \$36,021, leaving a balance of \$13,979 on the agreement. To fund the level of effort for the added tasks related to Gallagher Well No. 1, a second amendment is needed in the amount of \$25,000, resulting in a new not-to-exceed total of \$75,000. This additional amount will be covered by approved budget in the current Fiscal Year (2023) of the Capital Improvement Program.

RECOMMENDATION

That the Board authorize the General Manager to amend the General Consulting Services Agreement with Wood Rodgers for an additional \$25,000.

ATTACHMENT: 1. Wood Rodgers Scope of Work - Rehabilitate Gallagher Well No. 01



December 7, 2022

Job No. 8689

Mr. Avram Pearlman
North Marin Water District
999 Rush Creek Pl
Novato, CA 94945

Dear Mr. Pearlman:

Subject: North Marin Water District Gallagher 1 Municipal Well – Well Assessment and Rehabilitation – Proposal - Revised

In response to your request, Wood Rodgers, Inc. (Wood Rodgers) has prepared for the North Marin Water District (NMWD) this proposal to assess and rehabilitate the Gallagher 1 Well (Well) to improve capacity. The well is located at 14500 Pt. Reyes - Petaluma Road in Marin County, California.

The well is 29 years old (constructed in 1993 to a depth of 54 feet based on WCR No. 465475) and currently produces approximately 108 gallons per minute (gpm). NMWD has reported that the well production and the instantaneous specific capacity have decreased through the life of the well. Periodic well rehabilitation attempts have resulted in moderate increases in well production; however, were temporary before declines in production were documented. NMWD reports that the well produces groundwater with elevated iron bacteria, which may be due to the materials used in the original well construction (i.e., mild steel components).

Based upon our inspection, we will provide NMWD with our assessment as to the feasibility of improving well capacity, and recommendations for a well rehabilitation/modification program. Wood Rodgers will provide project management and inspection services during implementation of the well rehabilitation work. Our proposed Scope of Work is detailed below.

SCOPE OF WORK

Task 1 – Baseline Well Testing **\$4,422**

Wood Rodgers will coordinate with NMWD staff to conduct a four-hour baseline well test. During testing, data collection will include measurements of static water level, pumping water levels, flow rate, sand production, and field water quality parameters (including pH, temperature, dissolved oxygen, total dissolved solids, specific conductance, and turbidity). Wood Rodgers will use the information obtained during test pumping to calculate specific capacity and to quantify sand production of the well which will be used to evaluate the effectiveness of the well rehabilitation program. Water quality samples will be collected and tested by NMWD for analysis. In addition, a one-liter groundwater sample will be

collected for bacteriological testing to be performed by Water Systems Engineering from Ottawa, Kansas. Gallagher 2 groundwater levels will be monitored during the four-hour baseline well test to assess mutual pumping interference. A Wood Rodgers inspector will be onsite during the baseline well testing to monitor groundwater levels and collect the sample for bacteriological testing.

Task 2 – Well Assessment Technical Memorandum **\$4,880**

A Technical Memorandum (TM) will be prepared that summarizes the data collected during well testing, the current condition of the casing and screen, and any problems encountered during the well test, which could preclude well rehabilitation. The TM will include recommended approaches and techniques for well rehabilitation options, with preliminary cost estimates and the likelihood of success for each rehabilitation option.

Deliverables: *Well Assessment TM (PDF)*

Task 3 – Well Rehabilitation Work Plan **\$8,756**

From the data reviewed and with our knowledge of the underlying hydrogeology, Wood Rodgers will prepare a well rehabilitation Work Plan suitable for soliciting competitive bids. The rehabilitation work is anticipated to include the following tasks: mobilization, mechanical cleaning, chemical cleaning, initial redevelopment, final redevelopment, well and aquifer testing, disinfection, and well reequipping, and any other work items that may be needed.

Following rehabilitation activities, a test pump will be installed to conduct final well development and well testing to evaluate changed conditions, including improvements in specific capacity. The work plan will also consider the discharge location(s) for pumped water, including during rehabilitation and well testing.

The Work Plan will include a Bid Schedule for all work to be performed and will be suitable for soliciting competitive bids from contractors.

Deliverable: *Well Rehabilitation Work Plan (PDF)*

Task 4 – Project Management and Observation **\$7,379**

Wood Rodgers will provide project coordination and management for critical phases of the rehabilitation project and provide confirmation that the work plan is being executed per the project specifications. NMWD has agreed to provide supplemental observation during the following portions of the project, including contractor mobilization/demobilization; monitoring of discharged/pumped groundwater; well testing; collection of groundwater samples for laboratory analysis; mechanical cleaning of the well structure; chemical treatment of well structure; removal of chemicals from well structure; well development and other non-well related site work.

Wood Rodgers requests that the video survey contractor perform the video survey using Wood Rodgers' provided protocol. Our inspector will be onsite during the surveys and

will provide the contractor with our typical video survey specifications. The video survey should document the current conditions of the entire well structure. In addition, caliper and deviation surveys will document the well casing diameter and any structural deficiencies which may limit the effectiveness of rehabilitation. If at any time Wood Rodgers identifies unsatisfactory materials or practices being used by the contractor, the information will be reported to NMWD and documented in our daily inspection reports.

Task 5 – Well Rehabilitation Summary Report **\$9,080**

After the completion of all rehabilitation work, Wood Rodgers will compile all project data, prepare a profile of the well, and will provide a report that summarizes all the rehabilitation activities. The summary report will include all our inspector daily reports, rehabilitation details, and well testing records.

Wood Rodgers will provide a recommendation for new pumping equipment, as warranted, if changes in capacity and specific capacity result in the need to select a new pump and motor suitable for the changed conditions and pumping dynamics for the well.

Deliverable: *Well Rehabilitation Summary Report (PDF)*

PROJECT COST

The total estimated cost to provide the well assessment services as described herein is \$34,517, including outside services and direct expenses. All work is proposed to be performed on a Time and Materials (T&M) basis not to exceed the total proposed amount without prior written authorization from NMWD. All billing will be made in accordance with the enclosed Wood Rodgers Invoicing, Payments & Liability Policies (**Exhibit A**), Wood Rodgers' 2023 Schedule of Fees (**Exhibit B**), and Wood Rodgers' Special Conditions (**Exhibit C**).

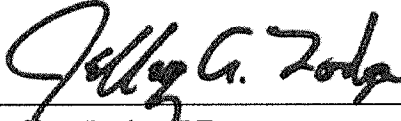
Mr. Avram Pearlman
December 7, 2022
Page 4

To authorize this work, please return a signed copy of this agreement to Wood Rodgers.


We look forward to helping NMWD with assessing and rehabilitating the Gallagher 1 Well to help improve capacity. We are prepared to begin work on this project immediately. If you have any questions or require additional information, please feel free to call me at (916) 341-7447.

Sincerely,

Wood Rodgers, Inc.



Jeffrey Lodge, PE
Principal Engineer



Sean J. Spaeth, PG, CHG
Senior Hydrogeologist

IN AGREEMENT WITH THE ABOVE TERMS:

North Marin Water District

By

Name

Title

Date

EXHIBIT A



INVOICING, PAYMENT & LIABILITY POLICIES

1. "Reimbursable expenses", including, but not limited to, mileage, blueprints, and reproduction are included in proposal costs.
2. Invoices are submitted monthly by Wood Rodgers, Inc. Client shall notify Wood Rodgers, Inc. in writing of any and all objections, if any, to an invoice within thirty (30) days of the invoice date. Otherwise, the invoice shall be deemed proper and accepted by the Client. Amounts invoiced are due and payable upon receipt. Client's account shall be considered delinquent if Wood Rodgers, Inc. does not receive full payment within forty-five (45) days after the invoice date.
3. A service charge shall be applied to delinquent accounts at the rate of 1.5% per month. Payment thereafter shall be applied first to accrued interest and then to unpaid principal. Client shall pay all costs and expenses, including without limitation, reasonable attorney's fees, incurred by Wood Rodgers, Inc. in connection with collection of delinquent accounts of Client.
4. If a delinquency occurs, Wood Rodgers, Inc. may choose to suspend work upon ten (10) days written notice to Client. Wood Rodgers, Inc. shall recommence work once such delinquency is completely cured and any and all attendant collection costs, fees, or other amounts required to be paid by Client under this contract are paid in full. If a delinquency by Client occurs and Wood Rodgers, Inc. chooses not to suspend work, no waiver or estoppel shall be implied. Client agrees and understands that if Wood Rodgers, Inc. suspends its work pursuant to this paragraph, Wood Rodgers, Inc. shall not be liable for any costs or damages, including but not limited to delay and consequential damages, to the Client, other owner of the property where such work is being performed, or any other third party, that may arise from or be related to such work suspension. Client agrees to indemnify and hold Wood Rodgers, Inc. harmless from and against any and all damages, costs, attorney's fees, and/or other expenses which Wood Rodgers, Inc. may incur as a result of any claim by any person or entity arising out of such suspension of work.
5. When non-standard billing is requested by Client, time spent by office administrative personnel in preparation of such billing shall be considered an extra cost to the project and shall be billed as such.
6. In providing services under this Agreement, Wood Rodgers, Inc. will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.
7. Client and Wood Rodgers, Inc. recognize the risks, rewards, and benefits of the project and Wood Rodgers, Inc. total fee for services. The risks have been allocated such that Client and Wood Rodgers, Inc. agrees that, to the fullest extent permitted by law, the total liability of Wood Rodgers, Inc. to Client and to all construction contractors and subcontractors on the project for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement from any cause or causes shall not exceed the total aggregate liability of \$40,767. Such causes include but are not limited to Wood Rodgers, Inc. negligence, errors, omissions, strict liability, and breach of contract and breach of warranty.
8. This agreement and the applicable Services Authorization & Agreement or Proposal/Contract constitute the entire agreement between the parties and there are no conditions, agreements or representations between the parties except as expressed in said documents. It is not the intent of the parties to this agreement to form a partnership or joint venture.

EXHIBIT B



SACRAMENTO FEE SCHEDULE

Effective January 1, 2023

| CLASSIFICATION | STANDARD RATE |
|---|----------------------|
| Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* II | \$300 |
| Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* I | \$265 |
| Senior Engineer/Geologist/Surveyor/Planner/GIS/LA* II | \$240 |
| Senior Engineer/Geologist/Surveyor/Planner/GIS/LA* I | \$230 |
| Project Engineer/Geologist/Surveyor/Planner/GIS/LA* II | \$215 |
| Project Engineer/Geologist/Surveyor/Planner/GIS/LA* I | \$205 |
| Engineer/Geologist/Surveyor/Planner/GIS/LA* II | \$195 |
| Engineer/Geologist/Surveyor/Planner/GIS/LA* I | \$180 |
| Assistant Engineer/Geologist/Surveyor/Planner/GIS/LA* | \$150 |
| Designer | \$95 |
| Senior CAD Technician/Graphics Designer II | \$180 |
| Senior CAD Technician/Graphics Designer I | \$160 |
| CAD Technician/Graphics Designer | \$140 |
| Project Coordinator | \$155 |
| Administrative Assistant | \$120 |
| 1 Person Survey Crew | \$235 |
| 2 Person Survey Crew | \$340 |
| 3 Person Survey Crew | \$435 |
| Consultants, Outside Services, Materials & Direct Charges | Cost Plus 10% |
| Overtime Work, Expert Witness Testimony and Preparation | Rate Plus 50% |

*LA = Landscape Architect.

Auto mileage will be charged at the IRS standard rate, currently 62.5 cents per mile.

Fee Schedule subject to change January 1, 2024.

EXHIBIT C

SPECIAL CONDITIONS

1. Any scope of work completed after December 31, 2022 will be subject to cost-of-living increases.
2. This scope of work does not include NPDES permitting or monitoring. It is assumed that all water will be discharged on the owner's property, and consequently no NPDES permitting or monitoring would be required. If NPDES permitting or monitoring is required, Wood Rodgers would provide a separate scope of work and cost estimate to provide these services.
3. Client understands that the time & materials estimated costs provided herein are estimates only, that our work will be performed on a time & materials basis, and that various line items included herein may be either exceeded or reduced by actual billing.
4. Any cost estimates prepared represent preliminary amounts that are subject to change. Wood Rodgers, Inc. will not assume responsibility for the use of these costs in budget analysis or be held liable for potential development cost increases associated with the development of this project.
5. Wood Rodgers, Inc. shall maintain the following insurance for this project:
 - Commercial general liability insurance with limit of no less than \$1,000,000 per occurrence and \$2,000,000 general aggregate.
 - Workers' compensation and employer's liability insurance as required by law with employer's liability limits no less than \$1,000,000 per accident or disease.
 - Auto liability insurance with a limit of no less than \$1,000,000 per accident.
 - Professional liability insurance with a limit of no less than \$1,000,000 per claim.

10



MEMORANDUM

To: Board of Directors

December 20, 2022

From: Tony Williams, General Manager *TW*
Julie Blue, Auditor/Controller *JB*

Subj: Resolution of Appreciation for Nancy Holton
T:\GMI2022 Misc\Holton memo resolution.docx

RECOMMENDED ACTION: Board Approve the Resolution of Appreciation to Nancy Holton

FINANCIAL IMPACT: None

Nancy Holton is retiring on December 30, 2022 after over 36 years of employment with the North Marin Water District. The attached resolution conveys appreciation for Nancy's many years of dedicated service to the District.

Recommendation

Board adopt the resolution of appreciation to Nancy Holton recognizing her many years of employment with the North Marin Water District.

ATTACHMENTS:

1. Resolution of Appreciation for Nancy Holton

Resolution 22-XX
North Marin Water District
Resolution of Appreciation
To
Nancy Holton

WHEREAS:

- Nancy Holton received her Bachelor of Science in Business Administration with a concentration in Accounting from Sacramento State University.
- Nancy Holton began employment with the District on May 5, 1986 as a part-time Accountant.
- Nancy Holton was promoted on August 1, 2003, to Senior Accountant.
- Nancy Holton was promoted to Accounting Supervisor on November 1, 2019.
- During her 36 years of employment with the District, Nancy has made significant contributions to the operations of the District's finances, including the following:
 - Beginning in 2011 and spanning many years, Nancy prepared complicated claims for SRF Loan fund reimbursements for the Recycled Water Expansion projects. Also when needed she provided the appropriate documentation for FEMA grants.
 - For many years Nancy has maintained and monitored the District's investment portfolio and has always made sound and sensible investments on behalf of the District.
 - As Accounting Supervisor Nancy oversaw production of timely and detailed monthly and annual financial statements.
 - She worked closely with the outside auditors and managed the annual audit review. The District has been awarded the Government Finance Officers Association Certificate of Achievement for Excellence for 13 years and Nancy was a significant contributor to this achievement.
 - As Accounting Supervisor Nancy developed and trained a highly professional and competent staff who are consistently able to meet tight deadlines, produce accurate reports, and provide daily support to other departments.
 - Over the course of her employment Nancy has become an integral part of the North Marin Water District's Accounting team, and contributed

immensely towards implementation projects for accounting and timesheet software upgrades, participated in the selection of outside auditors through the request for proposal (RFP) process, performed internal audits on processes such as purchase orders and payroll, and maintained and updated documentation for accounting processes.

- For the past 36 years, Nancy has utilized her accounting experience and extensive proficiency to produce exceptional financial reports and accounting processes.
- On December 30, 2022, Nancy will retire from the District. Her expertise, professionalism, loyalty, positive attitude and sense of humor will be greatly missed by those she worked with.

THEREFORE, BE IT RESOLVED:

That the Board of Directors of North Marin Water District hereby commends and expresses its appreciation to Nancy Holton for many years of dedicated and loyal service, and valued contributions to the District.

BE IT FURTHER RESOLVED:

That the Board of Directors, on behalf of the staff, officers and Directors of the North Marin Water District, extend to Nancy Holton sincere good wishes in her retirement and for many happy productive years filled with all the good things of life.

Dated at Novato, California
December 20, 2022

Rick Fraites, President
North Marin Water District

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting of said Board held on the 20th day of December, 2022 by the following vote:

AYES:
NOES:
ABSENT:

ABSTAINED:

Theresa Kehoe, Secretary
North Marin Water District

(SEAL)

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11



MEMORANDUM

To: Board of Directors

December 20, 2022

From: Tony Williams, General Manager 

Subj: Exception to CalPERS 180-Day Wait Period for Requirement for Retiring Employee

T:\GMAgreements\Consultants\BOD Holton Retired Annuitant Memo 2022.docx

RECOMMENDED ACTION: Approve Exception to CalPERS 180-Day Wait Period Requirement for Retiring Accounting Supervisor.

FINANCIAL IMPACT: \$64.52/hour (total cost dependent on hours provided)

Nancy Holton has over 36 years of service with North Marin Water District in the roles of Senior Accountant and Accounting Supervisor and will be retiring on December 30, 2022. The Accounting Supervisor position is a critical position, and effective January 2, 2023, the District will promote Nancy Williamson, to the Accounting Supervisor, from Senior Accountant. A new Senior Accountant has been hired with a start date of January 3, 2023.

Nancy Holton possesses specialized skills and unique knowledge of District operations and accounting practices, and will assist with training the incoming Senior Accountant, as well as provide extra help and support while the new employee gets familiar with the District's practices. Additionally, due to Nancy Holton's length of service and extensive understanding of the District's systems, processes, procedures and practices she will continue to be an as needed advisor to the Accounting Supervisor and Auditor/Controller by providing training and assistance with overflow work.

CalPERS retirees are required to wait 180-days after retirement before accepting temporary employment with a CalPERS agency. However, applicable CalPERS regulations provide an exception to the 180-day rule for extra help in critical positions or projects where an annuitant possesses specialized skills. This exception will allow immediate appointment of an annuitant to an annuitant-designated extra help position with a Board-approved Resolution certifying the exception.

Pursuant to Government Code, sections 7522.56 & 21224, Attachment 1 is Resolution No. 22-XX, titled A Resolution of the North Marin Water District Board for Exception to the 180-day Wait Period for Hiring Retiree, and Attachment 2 is an Employment Offer letter to Nancy Holton, personnel appointment paperwork. The content in is board memo and the template used to develop the related attachments were previously reviewed by legal counsel to ensure compliance with CalPERS requirements.

RECOMMENDATION:

1. Approve the attached resolution for exception to the 180-day wait period for hiring a retiree.
2. Authorize the District to utilize the expertise of Nancy Holton on an as needed basis, at an hourly rate of \$64.52.

ATTACHMENTS:

1. Resolution No. 22-XX titled Resolution of the North Marin Water District for Exception to the 180-Day Wait Period for Hiring Retiree.
2. Employment Offer Letter to Nancy Holton

RESOLUTION NO. 22-XX

**A RESOLUTION OF THE NORTH MARIN WATER DISTRICT
FOR EXCEPTION TO THE 180-DAY WAIT PERIOD FOR HIRING RETIREE
(Government Code Sections 7522.56 & 21224)**

WHEREAS, in compliance with Government (Gov.) Code section 7522.56 of the Public Employees Retirement Law, the Board of Directors (Board) of North Marin Water District (District) must provide CalPERS this certification resolution when hiring a retiree before 180 days has passed since their retirement date; and

WHEREAS, Nancy Holton (CalPERS ID #7650327090) (Annuitant) will be retired from North Marin Water District in the position of Accounting Supervisor, effective December 30, 2022 and

WHEREAS, Government Code section 7522.56 requires that post-retirement employment commence no earlier than 180 days after the retirement date, which is June 29, 2023, without this certification resolution; and

WHEREAS, Government Code section 7522.56 provides that this exception to the 180-day wait period shall not apply if the retiree accepts any retirement-related incentive; and

WHEREAS, the Board, the District and the Annuitant certify that the Annuitant has not and will not receive a Golden Handshake or any other retirement-related incentive; and

WHEREAS, the Board hereby appoints Nancy Holton as an extra help retired annuitant to perform the duties of Special Advisor to the Accounting Supervisor for the District under Government Code section 21224 effective January 3, 2023; and

WHEREAS, the entire employment agreement/contract/appointment document between the Annuitant and the District has been reviewed by the Board and District and is attached herein; and

WHEREAS, no matters, issues, terms or conditions related to this employment and appointment have been or will be placed on a consent calendar; and

WHEREAS, the employment shall be limited to 960 hours per fiscal year for all CalPERS employers; and

WHEREAS, the compensation paid to the retirees cannot be less than the minimum nor exceed the maximum monthly base salary paid to other employees performing comparable duties, divided by 173.333 to equal the hourly rate; and

WHEREAS, the maximum base salary for this position is \$11,184 and the hourly equivalent is \$64.52, and the minimum base salary for this position is \$9,201 per month, and the

WHEREAS, the hourly rate paid to the Nancy Holton will be \$64.52; and

WHEREAS, the Annuitant has not and will not receive any other benefit, incentive, compensation in lieu of benefit or other form of compensation in addition to this hourly pay rate; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the North Marin Water District hereby certifies the nature of employment of Nancy Holton as described herein and detailed in the attached employment agreement/contract/appointment document and that this appointment is necessary to fill the critically needed position of Special Advisor to the Accounting Supervisor for the North Marin Water District by January 3, 2023 to assist with special pending projects and extra help as needed:

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the North Marin Water District, California, held on December 20, 2022 by the following vote:

* * * * *

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the 20th of December 2022, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAINED:

Theresa Kehoe, District Secretary
North Marin Water District

(SEAL)



**NORTH MARIN
WATER DISTRICT**

999 Rush Creek Place
P.O. Box 146
Novato, CA 94948-0146

PHONE
415-897-4133

EMAIL
info@nmwd.com

WEB
www.nmwd.com

Dear Nancy Holton,

December 14, 2022

It is my pleasure to confirm your appointment into a limited duration, retired annuitant position as a Special Advisor to the Accounting Supervisor, effective January 3, 2023. Under California Government Code section 7522.56(b), as a retiree of the California Public Employees' Retirement System (CalPERS), you may serve, without reinstatement from retirement from CalPERS, upon appointment by a public employer either during an emergency to prevent stoppage of public business, or because you have skills needed to perform work of limited duration. As we have discussed, in light of the current needs at the District, you possess the requisite skills to provide extra help for this limited duration assignment.

In compliance with applicable laws, your hourly rate will be \$64.52, and you will not accrue service credit or any additional retirement rights or District benefits, such as medical, dental, vision, etc. Without exception, you are limited to working a maximum of 960 hours within a fiscal year among all public employers (July 1 to June 30). You are solely responsible for keeping track of the total number of hours worked, and you must promptly notify the District if you are approaching the 960 hour maximum each and every fiscal year of your employment with the District.

Further, you have represented to the District, and the District relies on your representation, that you have not received any unemployment insurance payments within the 12 months prior to this appointment for previous retired annuitant work with any CalPERS employer. Should you have any questions regarding your employment as a retired annuitant, please contact CalPERS at (888) 225-7377.

Lastly, to comply with Government Code sections 7522.56 and 21224, this offer of employment is contingent upon the District's Board of Directors approval at its upcoming December 20, 2022 meeting, where this matter will be agendaized and considered as a public meeting subject to the Board's finding that this appointment is necessary to fill the critically needed position of Special Advisor to the Accounting Supervisor to assist with special pending projects and extra help as needed. Again, thank you for offering your expertise to assist the District.

Sincerely,

Tony Williams, P.E.
General Manager

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ACKNOWLEDGEMENT

I have read, understood, and agree to the above noted hiring arrangements and conditions, and I further certify that my representations to the District, as memorialized above, are true, complete, and correct.

Nancy Holton
Nancy Holton

12/14/22
Date

cc: *Human Resources*


12



MEMORANDUM

To: Board of Directors

December 20, 2022

From: Terrie Kehoe, District Secretary 

Subj: Board Committee/Association Assignments

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RECOMMENDED ACTION: Approve Board Committee/Association Assignments for 2023

FINANCIAL IMPACT: None

At the previous Board meeting on December 6, 2022, Directory Fraites asked to defer action on this item to the following board meeting. The current committee assignments for the Board of Directors are proposed to remain status quo for the 2023 year (see Attachment 1).

RECOMMENDED ACTION:

Approve Board Committee/Association Assignments for 2023.

ATTACHMENTS: Attachment 1 – NMWD Board of Directors Committee/Association Assignments 2023

**NORTH MARIN WATER DISTRICT
BOARD OF DIRECTORS
COMMITTEE/ASSOCIATION ASSIGNMENTS
2023**

EXTERNAL Committees

NMWD Representative(s)/Alternate

North Bay Watershed Association

1 meeting per month – Friday
9:30 a.m. – 11:30 a.m.
Petaluma / Novato

Rick Fraiters/Jack Baker

Russian River Public Policy Facilitation Committee

(Russian River Biological Assessment/Opinion)

1 meeting per year – Friday
9:00 a.m. – Noon
Santa Rosa/Ukiah

Steve Petterle/TBD

Water Advisory Committee

1 meeting per quarter – Monday
9:00 a.m. – Noon
Santa Rosa

Jack Baker/Michael Joly

North Bay Water Reuse Authority/NorthBay Water

1 meeting per quarter – Monday
9:30 a.m.
Novato Sanitary District/Novato City Hall

Jack Baker/TBD

Novato Watershed Policy Advisory Committee

As needed

Rick Fraiters/Jack Baker

INTERNAL Committees

Recycled Water Subcommittee

As needed

Jack Baker/Steve Petterle

NMWD Drought ad Hoc Committee

As needed


Steve Petterle/ TBD

Note: ad Hoc Committees are deleted off the list once no longer in use

13



MEMORANDUM

To: Board of Directors
 From: Eric Miller, Chief Engineer / Assistant General Manager 
 Subject: Commitment to Participate in the Marin County Multi-Jurisdictional Hazard Mitigation Planning

Date: December 20, 2022

r:\non job no issues\hazard mitigation plan\bod memos\2022 1220 letter of commitment\2023 lhmp letter of commitment bod memo.docx

RECOMMENDED ACTION: Authorize the General Manager to submit a Letter of Commitment to Marin County for participation in their Multi-Jurisdictional Local Hazard Mitigation Plan

FINANCIAL IMPACT: None

Under Title 44 of the Code of Federal Regulations (CFR), local governments must have a Local Hazard Mitigation Plan (LHMP) approved by the Federal Emergency Management Agency (FEMA) in order to apply for and/or receive project grants under certain hazard mitigation assistance programs, such as the Hazard Mitigation Grant Program (HMGP) and Building Resilient Infrastructure and Communities (BRIC). Additionally, the LHMP must be reviewed and revised every five (5) years to reflect changes in development, progress in local mitigation efforts, and changes in priorities, in order to continue to be eligible for mitigation project grant funding.

Title 44 of the CFR also specifies criteria that allows for multi-jurisdictional LHMPs, acknowledging that many issues are better resolved by evaluating hazards more comprehensively by coordinating at the county, regional, and/or watershed level. For this reason, North Marin Water District is interested in continuing its participation in Marin County's mitigation planning efforts and committing to meet the associated participation requirements set forth in Title 44 of the CFR. The District participated in the first Marin County multi-jurisdictional LHMP in 2018 and has benefitted from the eligibility granted to all participants under the same hazard mitigation assistance programs as the lead agency.

Formal participation in the multi-jurisdictional LHMP requires that the District submit a letter of commitment to the lead agency. Attachment 1 has been prepared consistent with the CFR requirements and will be sent, upon approval, to Marin County as the LHMP lead agency.

ATTACHMENT: 1. Letter of Commitment as Participating Jurisdiction in Marin County Multi-Jurisdictional Hazard Mitigation Planning, dated January 3, 2023

December , 2022

Marin County Administrator's Office
3501 Civic Center Drive #325
San Rafael, CA 94903

Re: Letter of Commitment as Participating Jurisdiction in Marin County Multi-Jurisdictional Hazard Mitigation Planning

Dear State Hazard Mitigation Officer:

As the Federal Emergency Management Agency's (FEMA) Local Mitigation Plan requirements under 44 CFR §201.6 specifically identify criteria that allow for multi-jurisdictional mitigation plans and that many issues are better resolved by evaluating hazards more comprehensively by coordinating at the county, regional, or watershed level, the North Marin Water District is submitting this letter of commitment to confirm that North Marin Water District has agreed to participate in the Marin County's Multi-jurisdictional Hazard Mitigation Planning.

Furthermore, as a condition of participation in the mitigation planning, North Marin Water District, agrees to meet the requirements for mitigation plans identified in 44 CFR §201.6 and to provide such cooperation as is necessary and in a timely manner to the Marin County to complete the plan in conformance with FEMA requirements.

North Marin Water District understands that it must engage in the following planning process, as more fully described in FEMA's Local Mitigation Planning Handbook, including, but not limited to:

- Identification of hazards unique to the jurisdiction and not addressed in the master planning document;
- The conduct of a vulnerability analysis and an identification of risks, where they differ from the general planning area;
- The formulation of mitigation goals responsive to public input and development of mitigation actions complementary to those goals. A range of actions must be identified specific for each jurisdiction;
- Demonstration that there has been proactively offered an opportunity for participation in the planning process by all community stakeholders (examples of participation include relevant involvement in any planning process, attending meetings, contributing research, data, or other information, commenting on drafts of the plan, etc.); and documentation of an effective process to maintain and implement the plan; and,
- Formal adoption of the Multi-Jurisdictional Hazard Mitigation Plan by the jurisdiction's governing body (each jurisdiction must officially adopt the plan).

Therefore, with a full understanding of the obligations incurred by participating in the FEMA hazard mitigation planning process as a participant in a multi-jurisdictional plan; I, **Anthony Williams, General Manager**, commit North Marin Water District to the Marin County's Multi-Jurisdictional Hazard Mitigation Planning effort.

This document is executed this __ day of December, 2022.

Sincerely,

Anthony Williams
General Manager
North Marin Water District

14



MEMORANDUM

To: Board of Directors Date: December 20, 2022
 From: Avram Pearlman, Associate Engineer *AP*
 Subject: Gallagher Well No. 2 Project – Construction Complete
r:\folders by job no\6000 jobs\6609.20 new gallagher well no 2\bod memos\2022 1220 project update and completion\gw02 project close bod memo.docx

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: None at this time

Summary

On October 31, 2022, the State Water Resources Control Board, Division of Drinking Water (DDW) inspected and subsequently issued a use permit for Gallagher Well No. 2 (GW02). District crews were standing by that day to place the well in service and, once powered up, the well produced at 165 GPM without significant drawdown. This production rate allows for District Operations staff to suspend pumping from the Coast Guard Wells, which significantly reduces salinity levels within the District's West Marin distribution system.

Project construction was completed in three separate phases:

- Well construction and development \$192,315
- Pipeline improvements \$175,113
- Well mound construction \$118,485

District Construction staff self-performed the pipeline improvements and well mound construction, while Maggiora Bros. Drilling, Inc. performed the well construction and development phase. Funding for all three phases of construction was partly provided by the Department of Water Resources Small Community Drought Relief Grant Program, minimizing fiscal impact to the District.

Lessons Learned

There were a few lessons learned along the way:

1. Cost of well construction and development was unexpected relative to the engineer's estimate. The District's design and construction oversight consultant, Wood Rodgers Inc., provided an engineer's estimate of \$80,000 for well construction and development, however this phase of the project was awarded to the low bidder, Maggiora Bros. Drilling Inc., for \$192,315. The high demand for well drilling contractors and supply chain impacts of the pandemic

contributed to the unexpected rise in cost. For historical reference: construction costs for Gallagher Well No.1 (GW01) were \$17,414 in 1993.

2. Permitting was more challenging than previous wells (most recently, Coast Guard Well in 2015). Increased permit requirements from the DDW led to more staff time being spent on this task than anticipated when staff budgeted for the project.
3. Due to concerns with supply chain and material delivery timing, the District purchased the pump and motor assembly prior to completion of well development testing. The development testing results indicated well capacity up to 200 GPM, however the pump and motor assembly ordered prior to testing has a nominal capacity of 150 GPM.

Follow-Up Items

Although the salinity levels have significantly improved, the system would still benefit from additional redundancy. To add redundancy and increase system resiliency in the short term, the District is pursuing the following items:

1. Electrical improvements at the Gallagher well sites to allow both GW01 and GW02 to be operational simultaneously.
2. Rehabilitation work to GW01 to increase production rates. Current sustainable yield is 70 GPM and initial production was 170 GPM.
3. Point Reyes Treatment Plant efficiency improvements.

ATTACHMENTS:

1. Presentation slides dated December 20, 2022
2. GW02 Well Construction and Testing Report – Wood Rodgers, August 10, 2022



**NORTH MARIN
WATER DISTRICT**

Gallagher Well No. 2 Project Summary

December 20, 2022

Contents

1. Project Timeline
2. Construction Photos
3. Lessons Learned
4. Follow Up Items

Well Mound

GW02

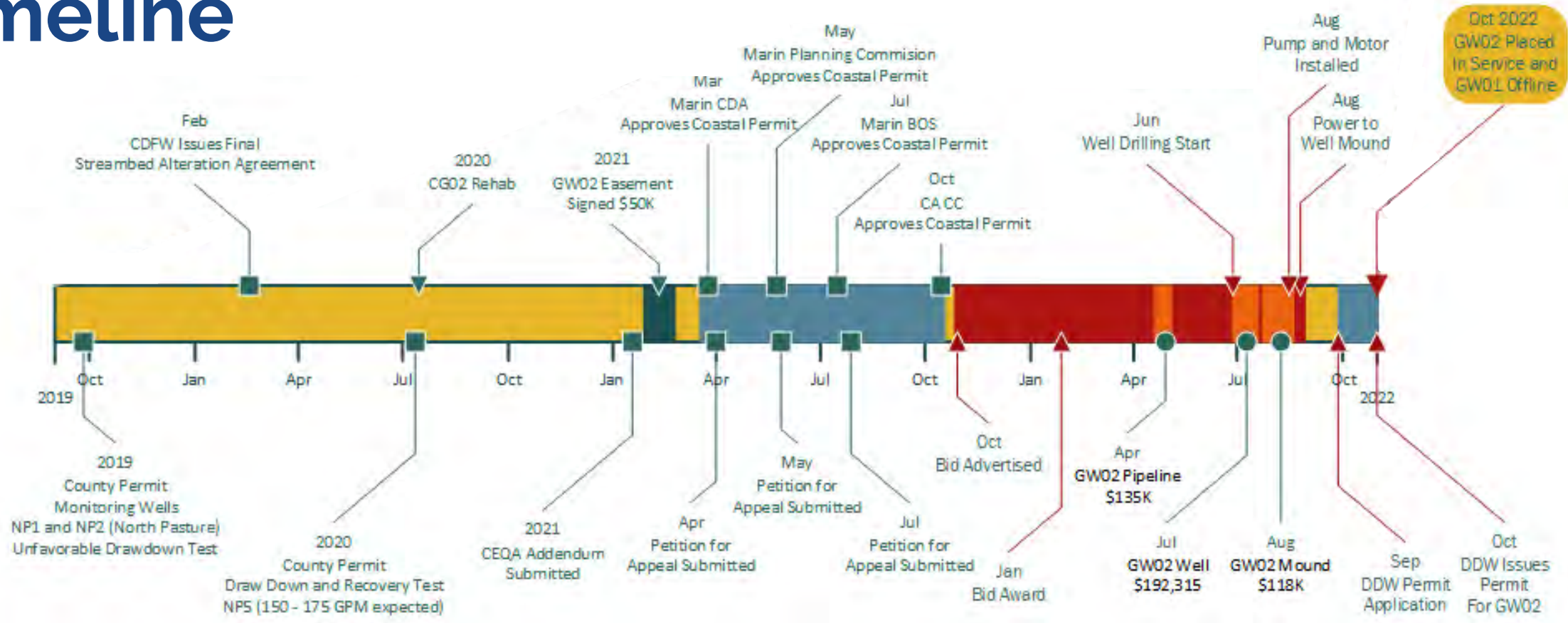
Transmission Pipeline

GW01

Photo: Matt Dolkas (MALT)



Project Timeline





Project Cost

| Task | Cost |
|-----------------------------------|------------|
| Pipeline Improvements | \$ 175,113 |
| Well Construction and Development | \$ 192,315 |
| Well Mound Construction | \$ 118,485 |

Photo: Florence Low (DWR)

Pipeline

*NMWD Crews
Installing MJ
Fittings for Pipeline*

*500 ft of new
6" main, power
and telemetry*

Well Development

AS-BUILT
GALLAGHER WELL 2
WELL PROFILE

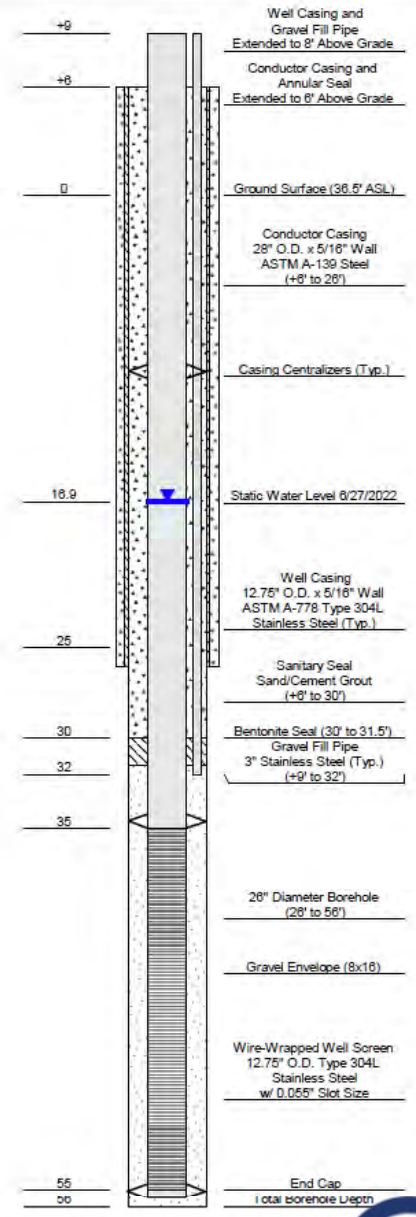
Exterior Steel Casing Lifted into Place



Maggiore Brothers Drilling, Inc. Starting with Bucket Auger Rig



Finished to Final Grade

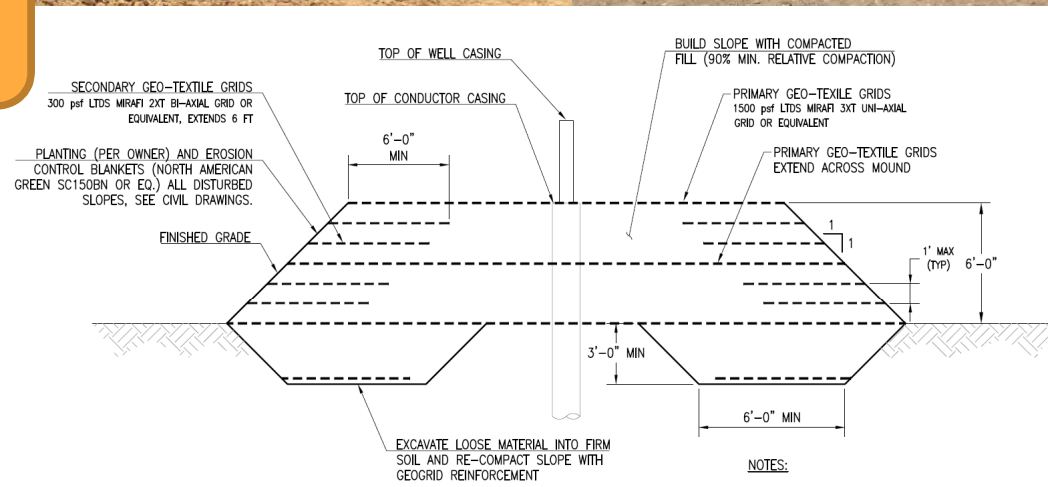


Well Mound

Well Pedestal and Appurtenances



320 Yards of dirt (~54 loads)
7 Yards Concrete



D SECTION D - REINFORCED EARTH WELL MOUND
003 NOT TO SCALE

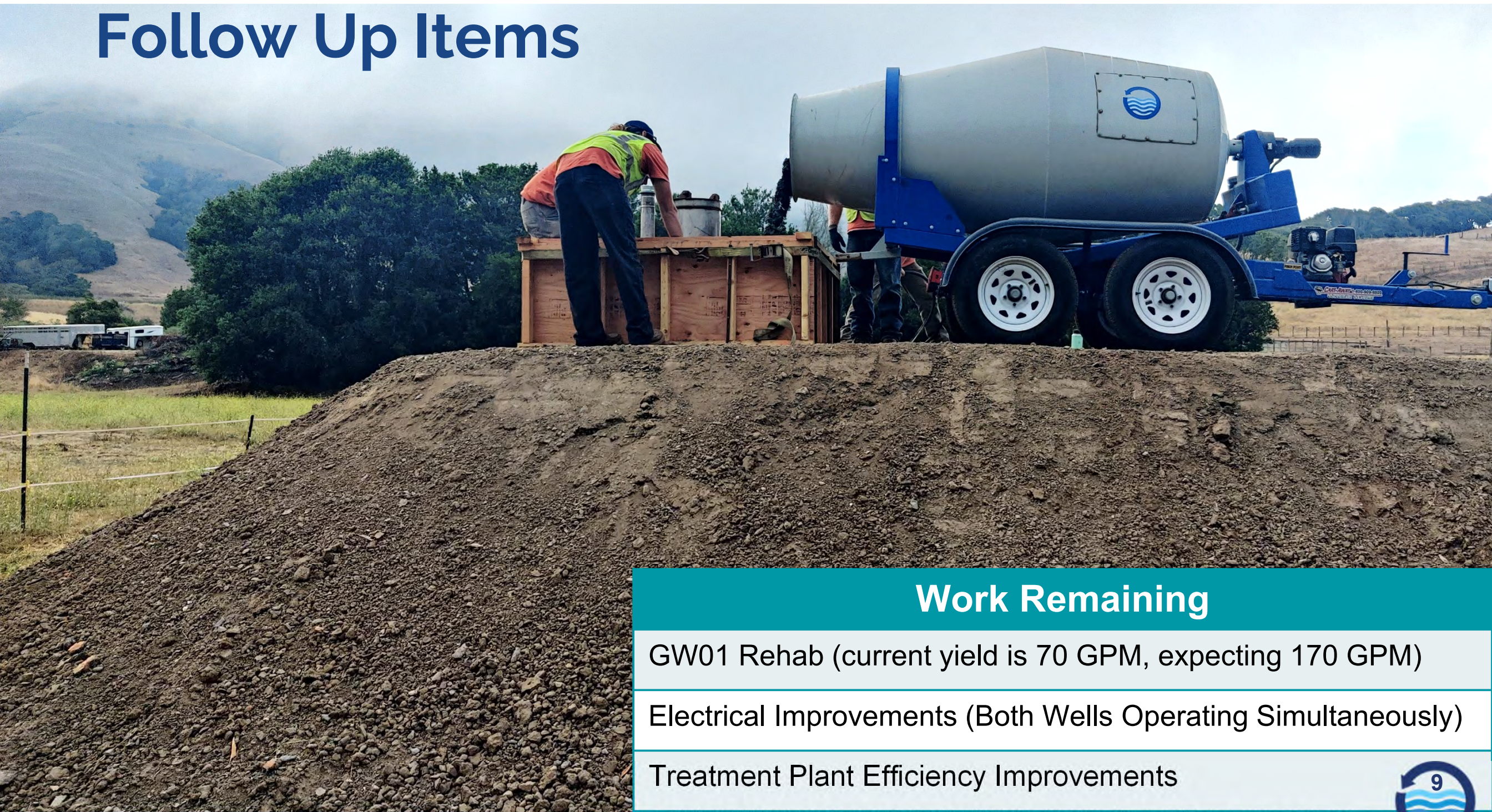
Final Grade with Erosion Control

Neat Cement to Grade

Lessons Learned

1. Cost of well construction and development ~ double engineering estimate
2. Soft Notice to Proceed led to contractor delays
3. Permitting was more challenging than previous wells (CG04 2015)
4. Purchase pump and motor assembly after well development testing is complete – if multiple options are available to ship.

Follow Up Items



Work Remaining

GW01 Rehab (current yield is 70 GPM, expecting 170 GPM)

Electrical Improvements (Both Wells Operating Simultaneously)

Treatment Plant Efficiency Improvements



Questions?



Photo: Chris Kehoe (NMWD)



Memorandum

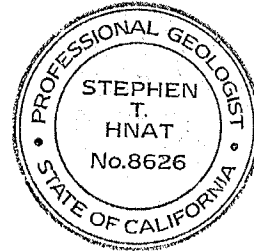
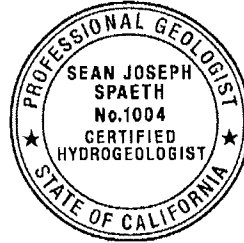
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME

To: Mr. Avram Pearlman
North Marin Water District
999 Rush Creek Place
Novato, CA 94945

From: Sean Spaeth, PG, CHG
Senior Hydrogeologist – Water Resources
Steve Hnat, PG
Project Geologist – Water Resources

Date: August 10, 2022

Subject: Gallagher 2 Well Construction and Testing



Wood Rodgers, Inc. (Wood Rodgers) is pleased to provide the North Marin Water District (NMWD) with this Technical Memorandum (TM) summarizing the data from the well and aquifer testing conducted as a part of Maggiora Brothers Drilling, Inc. (Maggiora) contract for the Gallagher 2 project located in Point Reyes Station, California, as shown on **Figure 1**. The purpose of this well testing was to characterize the wells’ hydraulic properties, namely specific capacity, to allow for a determination of the pumping capacity.

Well Construction Information

NMWD contracted Maggiora to drill, construct and develop Gallagher 2. A 28-inch diameter conductor casing was installed on June 14, 2022 to a total depth of 26 feet. A 26-inch diameter borehole was drilled to refusal at a total depth of 56.1 feet below ground surface (bgs), with a bucket auger on June 6, 2022. Wire-wrapped well screen with a 12.75-inch diameter was installed from 35 to 55 feet bgs and 12.75-inch diameter blank well casing was installed from 35 feet bgs to two (2) feet above ground surface. The cement seal, inspected by Marin County Department of Environmental Health, was completed on June 21, 2022, and well development began on June 27, 2022. The well was developed per the project contract requirements. Following construction and testing, Maggiora extended the conductor casing to six feet and well casing to nine feet above ground surface. An as-built profile is provided as **Figure 2**.

Well Testing

Three two-hour short-constant rate tests and a 72-hour constant rate well test were conducted to characterize the hydraulic properties of Gallagher 2. Well testing was performed by Maggiora from June 28 to July 2, 2022. Wood Rodgers conducted a site visit for the startup of the well testing to observe the initial operating conditions of Gallagher 2 and to evaluate the performance requirements of the contract, namely sand production, and turbidity requirements.

The static water level was measured to be 16.9 feet bgs prior to the start of the short constant rate well testing, which were conducted at averaged rates of 150, 200 and 250 gallons per minute (gpm). Data from the short constant rate tests provided a targeted pumping test rate of 200 gpm for the 72-hour constant rate pumping test that began at 7:00 AM on June 30, 2022. Data from the 72-hour constant rate pumping test was plotted on a semi-logarithmic graph to calculate the wells’ specific capacity, as shown on **Figure 3**. At a pumping rate of 200 gpm, the pumping water level was measured at a depth of 21.9 feet bgs after 72

hours, with a total drawdown of five feet. The specific capacity after 72 hours of pumping is 40 gpm per foot of drawdown.

Well Capacity Recommendation




Assuming the current static water level remains relatively constant, the pumping water level at a flow rate of 200 gpm should be expected to result in a pumping water level of approximately 22 feet bgs. Shorter pumping cycles may result in slightly shallower pumping water level depths; however, it is recommended NMWD operate Gallagher Well 2 to maintain appropriate submergence of the pump within the recommended net positive suction head (NPSH) recommendation of the pump manufacturer. The pump will likely need to be installed within the well screen portion. It is recommended for the pump to include a pump shroud to route water past the motor for cooling purposes. Of note, appropriate length of column pipe will need to account for top of casing installation, which is nine feet above ground surface.

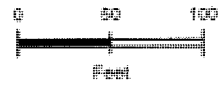
Conclusion

The well drilling, construction, and testing proceeded in concurrence with the project specification. An as-built well profile is provided to document well construction. The well met the performance requirements of the contract, namely for sand production (less than five parts per million) and turbidity (less than five nephelometric turbidity units after 15 minutes of pumping).

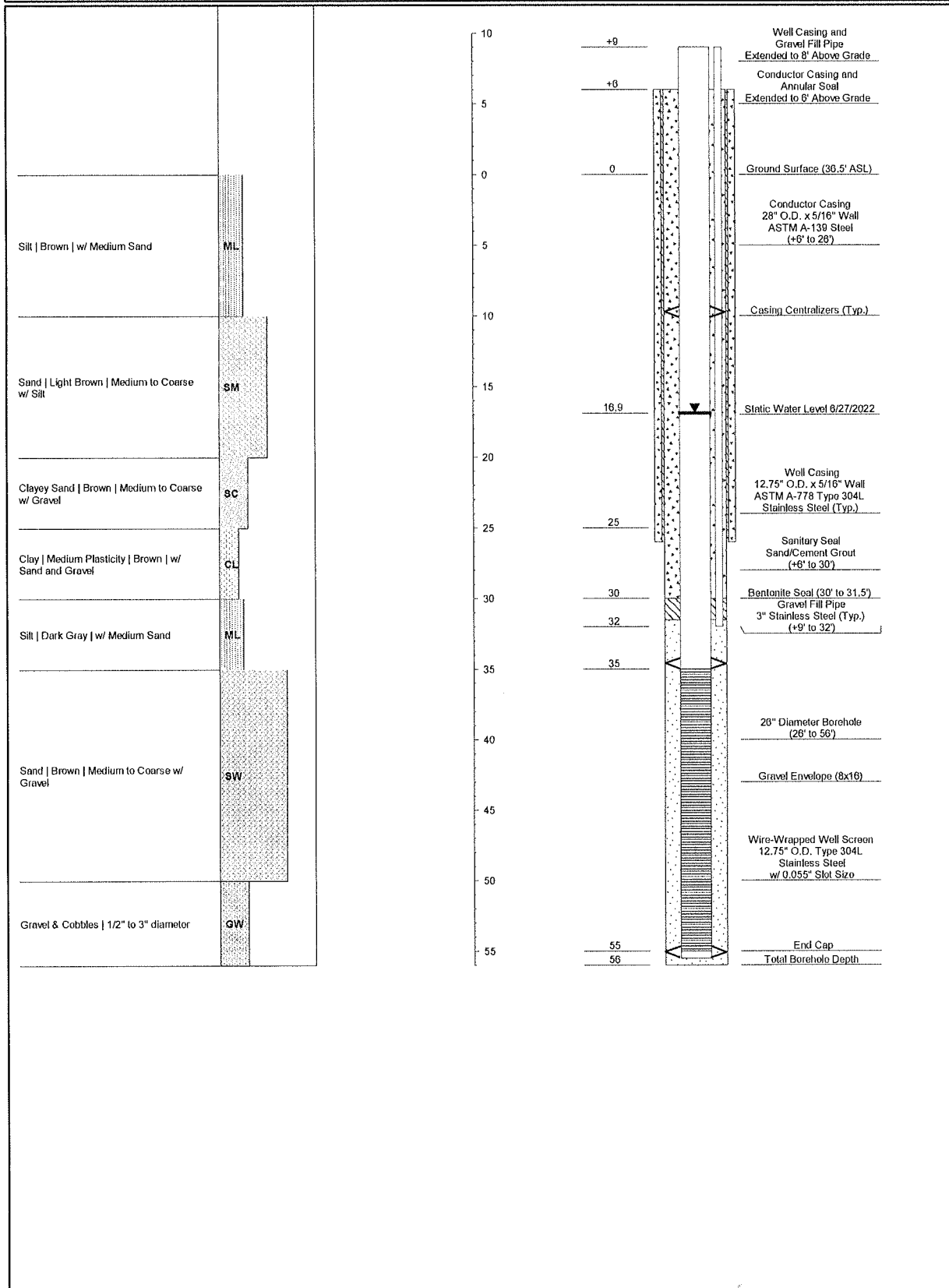


FIGURE 1
NORTH MARIN WATER DISTRICT
GALLAGHER 2 MUNICIPAL WELL
MARIN COUNTY, CALIFORNIA
JULY 2022

-  Production Well
-  Monitoring Well
-  Destroyed Well

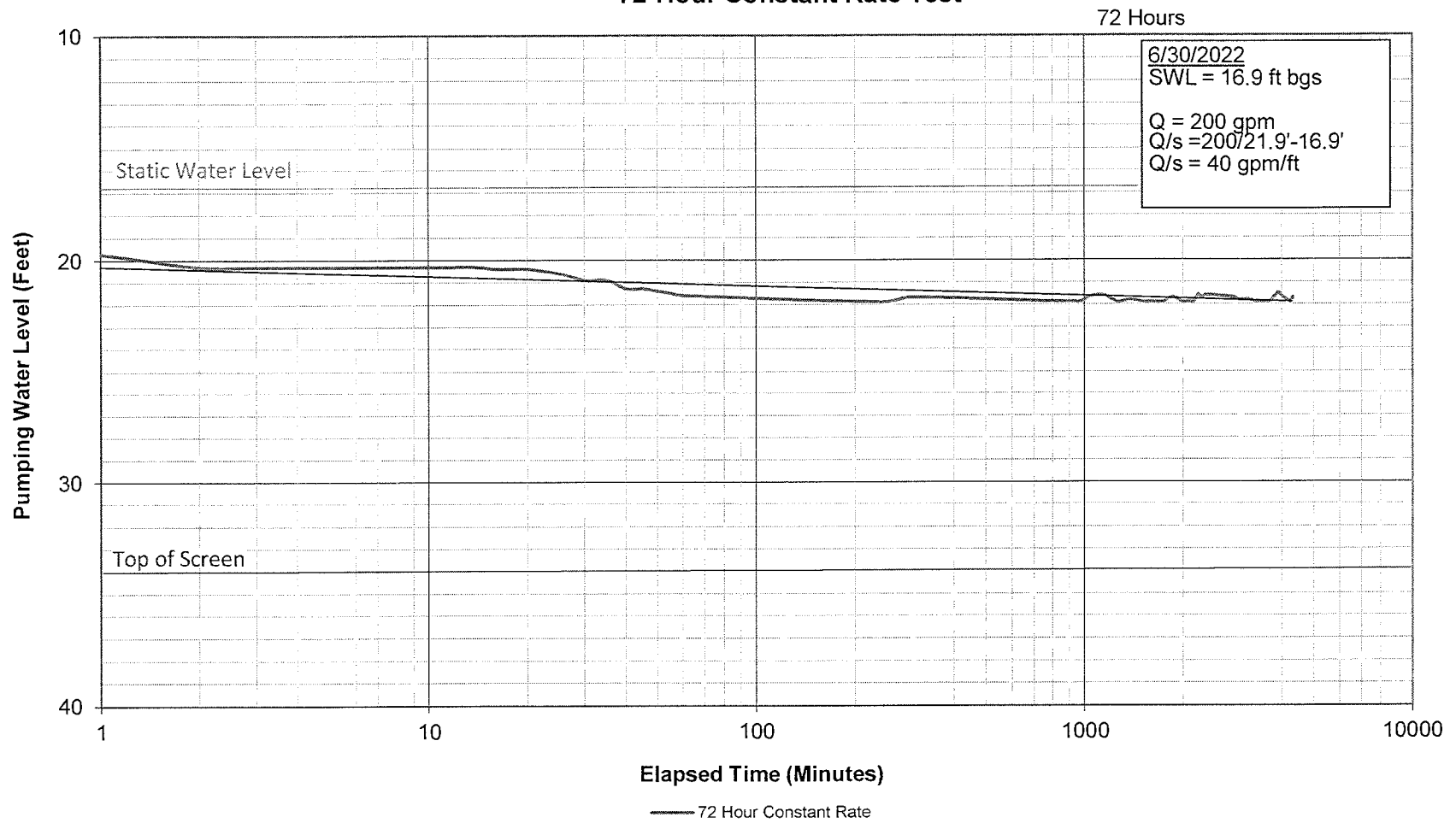


**AS-BUILT
GALLAGHER WELL 2
WELL PROFILE**



| PROJECT NO. 8689.001 | PRODUCTION WELL AS-BUILT FOR NORTH MARIN WATER DISTRICT GALLAGHER WELL 2 MARIN COUNTY, CA | | DATE: 8/3/22 14:16 | J:\Jobs\19559_North_Marin_Water_District\6685001_Gallagher_Well_2 |
|-------------------------|--|--------------|-----------------------|---|
| | | | SCALE: V: 1" = 10' | 1 As-Built Design Profile SHH 8/3/2022 |
| FIGURE 2 | | | DRAWN BY: S.HNAT | |
| | | | DESIGNED BY: S.SPAETH | |
| | | | CHECKED BY: S.HNAT | |
| NO | DESCRIPTION | ENGR INIT | BY | DATE APPROVED |

FIGURE 3
NORTH MARIN WATER DISTRICT
Gallagher Well 2
72-Hour Constant Rate Test



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MEMORANDUM

To: Board of Directors
 From: Eric Miller, Chief Engineer / Assistant General Manager *EM*
 Subject: West Marin Water Supply Resiliency Project - Work Plan Submitted to Marin County
\\nmwdfiler\server\engineering\folders by job no\4000 jobs\4089 coast guard housing - prtp study\bod memos\2022 1220 - work plan submittal\wm new supply work plan bod memo.docx

Date: December 20, 2022

RECOMMENDED ACTION: Information Only**FINANCIAL IMPACT:** None

Seasonal salinity intrusion has been observed in water produced from North Marin Water District's wells situated adjacent to the former Coast Guard housing facility in Point Reyes Station for decades. The problem has worsened significantly in the past several years, going from an infrequent problem affecting taste for a few days every few years, to a persistent exceedance of secondary standards set by the California Division of Drinking Water for color, odor, and taste. In the past, the District was able to mitigate the saltier water by supplementing with water supplied by the Gallagher Well No. 1, blending with the Coast Guard well water to dilute the salts. Over the past five years, however, salt levels have increased dramatically in the Coast Guard Wells to the point that in 2020, even after blending with Gallagher well water to the maximum extent possible, the water produced and distributed had a very salty taste noted by many of the District's customers.

These impacts are a direct result of the physical location of the District's Coast Guard Wells. Due to the proximity of the Coast Guard Wells to Tomales Bay, they are under the influence of flows in the tidal reach of Lagunitas Creek and subject to periodic salinity intrusion and occasional flooding. These adverse impacts are further exasperated by the effects of rising sea levels. The Gallagher Wells are located further upstream and are not subject to any flooding or the tidal reach of Lagunitas Creek. The Gallagher Wells are designed to be resilient to future impacts of sea level rise and climate change.

With the recent completion of the Gallagher Well No. 2 project and the new well being put into service in November 2022, the District's West Marin distribution system has experienced significant improvements to salinity levels. Given the high production rate of the new well, the District is currently able to fully supply the West Marin Service Area without use of the Coast Guard Wells. Unfortunately, there will likely be instances in the future when the District will need

to take Gallagher Well No. 2 offline for maintenance or disinfection, and will therefore be reliant on the Coast Guard Wells to meet system demands. The distribution system will likely experience noticeable levels of salinity in situations where the Coast Guard Wells are used again.

For this reason, as well as the need to have a more resilient water supply, staff developed a work plan for a Water Supply Resiliency Project (Project) for the District's West Marin Service Area. The Project will improve water supply reliability by identifying and establishing a new long-term water supply that is resilient to two impacts of climate change: drought and sea level rise. The new water source capacity will allow the District to fully abandon or repurpose the use of the Coast Guard Wells. The Project aligns with Marin County's climate adaptation goals and objectives as the Project, once constructed, will provide near-term and long-term water supply reliability benefits and improve overall drought and water shortage resiliency and preparedness for the District's West Marin Service Area.

Staff understands that there is a potential funding opportunity through a Marin County program that has earmarked funds for projects aimed at addressing climate change impacts. In working with the County supervisor that represents West Marin, Dennis Rodoni, staff prepared the attached work plan for the Project that details the project objectives and funding needs. The work plan was submitted to the County in early December, and staff is awaiting a response. To the extent feasible with available funding, staff plans to move forward with preliminary phases of the project, including alternatives analysis and communications with stakeholders.

ATTACHMENT: 1. Work Plan for the Water Supply Resiliency Project for North Marin Water District's West Marin Water Service Area



WATER SUPPLY RESILIENCY PROJECT for North Marin Water District's West Marin Water Service Area

Background

The North Marin Water District (District) provides water for approximately 1,800 customers within the communities of Point Reyes Station, Olema, Inverness Park, Bear Valley, and Paradise Ranch Estates, as well as the National Park Service's Point Reyes National Seashore. The water is supplied through one interconnected system, the District's West Marin Water System. The water supply for the West Marin Water System consists of four wells at two separate sites adjacent to Lagunitas Creek. Two of those wells are located in Point Reyes Station (Coast Guard Wells), and the other two wells are located at the Gallagher family ranch property (Gallagher Wells), approximately one mile upstream of the District's Point Reyes Station Treatment Plant. Gallagher Well No. 1 was drilled in 1993 and has limited water production relative to the other wells in the system. Gallagher Well No. 2 was drilled in 2022 and is in full production as of November 2022.

Historically, the District has relied primarily upon the Coast Guard Wells to supply water for the entire West Marin Water Service Area. However, due to the proximity of the Coast Guard Wells to Tomales Bay, they are under the influence of flows in the tidal reach of Lagunitas Creek and subject to periodic salinity intrusion and occasional flooding. These adverse impacts are further exasperated by the effects of rising sea levels. The two Gallagher Wells are located further upstream and are not subject to any flooding or the tidal reach of Lagunitas Creek. The Gallagher Wells are designed to be resilient to future impacts of Sea Level Rise, based on the Our Coast Our Future Hazard Map¹, and inputs of 200 cm (6.56 feet) of Sea Level Rise combined with a 100-year storm.

Project Description

The District's Water Supply Resiliency Project (Project) will improve water supply reliability by identifying and establishing a new long-term water supply that is resilient to two impacts of climate change: Drought and Sea Level Rise. The new water source capacity will allow the District to replace the use of the Coast Guard Wells, which have historically been relied on as the primary water supply for much of the West Marin Water Service Area.

Project Objectives

The Project aligns with the County's Climate Adaptation goals and objectives as the Project, once constructed, will provide near-term and long-term water supply reliability benefits and improve overall drought and water shortage resiliency and preparedness for the District's West Marin Service Area.

The primary goals of the Project are to:

- provide redundant and reliable water supply for the community;
- reduce the need for the use of existing wells subject to salinity intrusion and SLR;
- develop additional water supply that is more resilient to effects of climate change and existing natural hazards;
- install new infrastructure with minimal impacts to the community.

¹ <https://ourcoastourfuture.org/hazard-map/>



Broader goals of the Project include:

- build upon and maintain the District’s history of best practice and mitigation measures to minimize creek impacts;
- leverage partnership opportunities with regional stewardship entities such as Marin Agricultural Land Trust, Marin Resource Conservation District, National Park Service;
- demonstrate leadership in climate action and water supply resiliency by acting as a roadmap for future projects by other nearby water districts;

Project Scope and Budget

| Task | Estimated Budget |
|---|--------------------|
| Task 1 – Community Outreach and Communications | \$50,000 |
| Task 2 – Alternatives Analysis and Investigations | \$75,000 |
| Task 3 – CEQA and Permitting | \$75,000 |
| Task 4 – Water Supply Infrastructure Design | \$200,000 |
| Task 5 – Construction | \$1,575,000 |
| Task 6 – Final Testing and State Reporting | \$25,000 |
| Total | \$2,000,000 |

Funding Sources and Spending Plan

| | FY 23/24 Proposed | FY 24/25 Planned | FY 25/26 Planned | FY 26/27 Planned | 4-Year Totals |
|-------------|----------------------|---------------------|---------------------|---------------------|---------------|
| NMWD CIP * | \$100,000 | \$100,000 | \$800,000 | \$0 | \$1,000,000 |
| Other Funds | \$100,000 | \$100,000 | \$800,000 | \$0 | \$1,000,000 |
| Totals: | \$200,000 | \$200,000 | \$1,600,000 | \$0 | \$2,000,000 |

* Revenue generation for capital improvement projects in the District’s West Marin Service Area is limited due to the low number of customers and relatively high operations and maintenance costs. Annual CIP allocations for the entire service area are approximately \$300,000

Project Schedule

The District is not able to fully fund this project within the current budget projections for the West Marin Service Area. Assuming adequate funding is secured, the District estimates a total project duration from initiation through construction of approximately 2 to 3 years.

Project Contact

Eric Miller
 Assistant General Manager / Chief Engineer
emiller@nmwd.com / (415) 897-4133

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MEMORANDUM

To: Board of Directors

Date: December 20, 2022

 From: Tony Williams, General Manager *AW*
 Ryan Grisso, Water Conservation Coordinator *RG*

Subject: Drought Ad-Hoc Committee

t:\bod\ad hoc committees\drought committee 2022\bod memos\12-20-22 bod memo drought ad hoc committee final.docx
RECOMMENDED ACTION: Information Only**FINANCIAL IMPACT:** None at this time

At the June 21, 2022 Board meeting, staff provided an update on administrative fine limits in regards to Ordinance No. 41 for the Novato Service Area. In addition, the Board established a Drought Ad Hoc Committee (Committee) made up of two members of the Board: Director Petterle and former Director Grossi. Since that time, the Committee has met three times in August, September and October. Due to Director Grossi's untimely passing last month, there was not a meeting in November.

The Committee has discussed a variety of drought related topics over the past three meetings. Some of the topics have included aspects of Emergency Conservation Ordinance No. 41 (including pool filling), water conservation rebate drought increases, water conservation reduction compliance, effects of new housing mandates on future demand, Waterline newsletter drought messaging, community drought messaging engagement, future State drought conservation mandate potential, and connection fees. The Committee also reviewed the draft Facility Reserve Charges Study (Hildebrand) ahead of the presentation to the full Board at the November 15, 2022 Meeting.

Due to the vacancy created by the untimely passing of Director Grossi, it is recommended that we select another member from the Board of Directors to participate in and continue the efforts of the Committee.

ATTACHMENTS: None

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DISBURSEMENTS - DATED DECEMBER 8, 2022

Date Prepared 12/5/22

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

| Seq | Payable To | For | Amount |
|--------|-------------------------------|---|--------------|
| P/R* | Employees | Net Payroll PPE 11/30/22 | \$179,386.30 |
| 90543* | Internal Revenue Service | Federal & FICA Taxes PPE 11/30/22 | 72,902.00 |
| 90544* | State of California | State Taxes & SDI PPE 11/30/22 | 17,542.28 |
| 90545* | CalPERS | Pension Contribution PPE 11/30/22 | 42,551.81 |
| 90542* | US Bank Card | Microsoft Monthly Subscription, PowerFlex (Electric Car Charge), Fastrak, CA Society of Municipal Finance Officers Conference Registration & Hotel Dep, Zoom for Board Meetings, GoDaddy License Renewal, AT&T (Internet/PRTP), Cartridges for New Meter Testing Machine, Head Harness for STP, Miscellaneous Supplies, Service Award Frames, 3rd Quarter 941 & DE9 Filing Fees, Control Board & American Society of Civil Engineers Reference Manual | 2,380.37 |
| 1 | Able Tire & Brake | Large Truck Tire Repair & Tires (6) & Alignment ('17 F350) (\$2,297) | 2,369.52 |
| 2 | All Star Rents | Air Compressor Rental (1 Day) | 207.92 |
| 3 | Alpha Analytical Labs | Lab Testing (Novato & Pt Reyes) | 2,745.00 |
| 4 | Asbury Environmental Services | Used Oil Disposal | 95.00 |
| 5 | AT&T | Telephone, Fax, Leased Lines & Data | 526.84 |
| 6 | AT&T | Internet @ Gallagher Well #2 | 69.55 |
| 7 | Automation Direct | Voltage Transducer & Communication Module | 488.26 |
| 8 | | Vision Reimbursement | 134.98 |
| 9 | Buck's Saw Service | Chain Loop, Air Filter, Tool Fuel & Bar Oil | 257.94 |
| 10 | Building Supply Center | Rye Grass & Fertilizer Spreader | 106.06 |

| Seq | Payable To | For | Amount |
|-----|--------------------------------|--|----------|
| 11 | Clean Earth Inc. | Hazardous Waste Disposal (Lab) | 360.00 |
| 12 | Coast Counties Peterbilt | Turbo Actuator | 1,632.11 |
| 13 | CPI International | Ion Chromatography Standards (Lab) | 154.53 |
| 14 | CWEA | Lab Analyst 2 Renewal (Reischmann) | 100.00 |
| 15 | DataTree | November Subscription to Parcel Data Info | 100.00 |
| 16 | Direct Line Inc | November Telephone Answering Service | 177.00 |
| 17 | EKI Environment & Water, Inc. | Prog Pymt #5: Consulting Services for Grant Support Assistance (Balance Remaining on Contract \$189,719) | 3,074.24 |
| 18 | Fiserv/Bastogne Inc. | Return Checkfree Payment | 1,521.42 |
| 19 | Fishman Supply Co | Safety Glasses (72) & Nitrile Gloves (1,000) | 385.93 |
| 20 | Fisher Scientific | Forceps (3) (Lab) | 63.48 |
| 21 | Gallagher The Northbend LLC | 1/2 Share of Bridge Rails for Gallagher Well #2 Project | 5,250.00 |
| 22 | Graham, Kaetlyn | Novato "Water Smart Landscape Efficiency" Program Residential | 200.00 |
| 23 | Grainger | Miscellaneous Maintenance Tools & Supplies | 931.37 |
| 24 | Greenhalgh, Daniel & Thobile | Refund Overpayment on Closed Account | 300.00 |
| 25 | Hach Co. | Bottles (48) & Sample Cells (12) | 680.24 |
| 26 | The Harbinger Fund, LLC | Refund Excess Advance Over Job Cost (2.1252.22 701 C Street) | 1,197.55 |
| 27 | Harrington Industrial Plastics | Reissue Payment (Original Pymt Returned)- Chemical Pump Replacement (STP) | 1,528.72 |
| 28 | High-Purity Standards | IC Standards for Lab | 447.71 |
| 29 | Home Depot | Replacement Toilet (Warehouse) | 222.00 |
| 30 | Hughes, Elaine | Novato "Toilet Rebate" Program | 125.00 |
| 31 | Eric Johnson | Refund Overpayment on Closed Account | 137.95 |
| 32 | Kehoe, Chris | Exp Reimb: Bagels for Construction Meeting & Lodging for D3 Class | 210.99 |

| Seq | Payable To | For | Amount |
|-----|--------------------------------|--|------------|
| 33 | Lincoln Life Employer Serv | Deferred Compensation PPE 11/30/22 | 11,507.92 |
| 34 | Magana, Juan | Novato "Cash for Grass" Rebate Program | 385.00 |
| 35 | Marin County Tax Collector | Annual Hazardous Material Inventory Permits (STP-\$3,852, Yard-\$2,116, PRTP-\$376 & OMTP-\$347) | 6,691.00 |
| 36 | Marin Landscape Materials | Concrete (42 Sacks) | 369.12 |
| 37 | Marin County Dept of Finance | STP SRF Loan, Semi-Annual Payment Principal and Interest (#27 of 40) | 521,926.40 |
| 38 | Mayes, Betsy | Novato "Cash for Grass" Rebate Program | 800.00 |
| 39 | Medical Center of Marin | Pre-Employment Drug Screen (Johnson) | 72.00 |
| 40 | Micro Motion Inc | Replacement Flow Sensors for Backwash & GAC Flow Sensors @ STP | 37,879.73 |
| 41 | Milstein, Rachel | Novato "Water Smart Landscape Efficiency" Rebate Program Residential | 200.00 |
| 42 | Murren, Kathleen | Novato "Water Smart Landscape Efficiency" Rebate Program Residential | 200.00 |
| 43 | Nationwide Retirement Solution | Deferred Compensation PPE 11/30/22 | 1,195.00 |
| 44 | Northen, Brian | Exp Reimb: Lodging for D1 & D2 Class | 180.75 |
| 45 | Novato Builders Supply | Concrete & Miscellaneous Construction Supplies | 1,461.85 |
| 46 | Novato, City of | Annual Encroachment Permit | 6,000.00 |
| 47 | ODP Business Solutions, LLC | Miscellaneous Office Supplies | 432.94 |
| 48 | Pace Supply | Coupling | 35.19 |
| 49 | PES Environmental, Inc. | Prog Pymt#2: NMWD Asbestos/Lead Building Renovation Headquarters Building (Balance Remaining on Contract \$13,603) | 9,194.75 |
| 50 | Pini Hardware | Miscellaneous Maintenance Tools & Supplies | 438.21 |
| 51 | Annika Pisciotta | Refund Over Payment on Open Account | 452.59 |
| 52 | Point Reyes Light | Display Ad: Salinity Intrusion Into the Point Reyes Well Supply on 11/17, 11/23 & 12/1/22 | 425.40 |

| Seq | Payable To | For | Amount |
|-----|-------------------------------|---|------------------------------|
| 53 | Ramudo, Pablo | Exp Reimb: ACWA Conference in Palm Springs- Lodging, Meals, Airfare, Car Rental, Parking & Mileage (11/28/22-11/30/22) | 1,535.13 |
| 54 | Recology Sonoma Marin | November Trash Removal | 571.16 |
| 55 | Rulien, Peggy | Novato "Cash for Grass" Rebate Program | 800.00 |
| 56 | Shura, Noah | Novato "Cash for Grass" Rebate Program | 430.00 |
| 57 | Soiland Co., Inc. | Asphalt Recycling (20 tons) & Rock (16 yds) | 834.21 |
| 58 | Staples Business Credit | Misc Office Supplies | 154.58 |
| 59 | State Water Resources Control | SRF Loan Principal & Interest-RW Central (Pymt# 5 of 30) (\$275,773), RW South PH1B (Pymt#10 of 20) (\$166,575) & RW South PH1A (Pymt#10 of 20) (\$65,599) | 507,946.76 |
| 60 | USA BlueBook | Ball Valves (6) & PVC Unions (6) | 377.54 |
| 61 | Verizon Wireless | Cellular Charges: Data (\$1,309), Airtime & iPads for Asset Management | 1,560.66 |
| 62 | VWR International LLC | Chlorine Reagents (2), Phosphorus Buffer, Scoopulas (100), Hydrochloric Acid, Broken Glass Disposal Boxes (6) & Biological Spore Indicator | 427.64 |
| 63 | Waste Management | Waste Disposal | 241.71 |
| 64 | Williams, Mark | Novato "Washer Rebate" Program | 100.00 |
| 65 | Winzer Corporation | Loose Sorbent | 155.59 |
| 66 | ZORO | 2" X 8' Blue Short Wide Ratchet Strap (4) | 128.87 |
| | | TOTAL DISBURSEMENTS | <u>\$1,455,675.77</u> |

The foregoing payroll and accounts payable vouchers totaling \$1,455,675.77 are hereby approved and authorized for payment.

Julie Blue 12/6/22
Auditor-Controller Date

[Signature] 12/6/2022
General Manager Date

DISBURSEMENTS - DATED DECEMBER 15, 2022

Date Prepared 12/12/22

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

| Seq | Payable To | For | Amount |
|--------|-----------------------------|---|-------------|
| P/R* | Employees | Sick Leave Buyback 12/6/22 (5 Employees) | \$10,209.28 |
| 90546* | Internal Revenue Service | Federal & FICA Taxes - Sick Leave Buyback 12/6/22 | 3,204.90 |
| 90547* | State of California | State Taxes & SDI - Sick Leave Buyback 12/6/22 | 721.20 |
| 1 | Arendell, Tony | Retiree Exp Reimb (Dec Health Ins) | 1,137.78 |
| 2 | Athens Administrators | November Indemnity Review Fee | 105.00 |
| 3 | Burrell, Yolanda | West Marin "Water Smart Landscape Efficiency" Program Residential | 258.06 |
| 4 | Chandrasekera, Carmela | Retiree Exp Reimb (Dec Health Ins) | 1,137.78 |
| 5 | Cilia, Joseph | Retiree Exp Reimb (Dec Health Ins) | 409.28 |
| 6 | Comcast | December Internet (Wood Hollow) | 356.55 |
| 7 | Core & Main | Bushings (20), Valves (8) (\$10,202), Elbows (40) & Pipe (63') | 11,407.55 |
| 8 | Cummings Trucking | Rock (204 yds) (\$3,185) & Sand Deliveries (92 yds) (\$2,800) | 5,985.00 |
| 9 | Sam Demartini | Exp Reimb: Safety Boots | 200.00 |
| 10 | Enterprise FM Trust | Monthly Leases for Chevy Colorado, Ford Ranger, F250's (2), Nissan Rogues (2), Nissan Frontiers (2), F150's (7) & Chevy Bolts (2) | 8,916.69 |
| 11 | Environmental Science Assoc | Prog Pymt#13: NMWD San Mateo Tank Permitting Assistance (Balance Remaining on Contract \$24,808) | 332.50 |
| 12 | | Vision Reimbursement | 284.00 |

| Seq | Payable To | For | Amount |
|-----|-------------------------------|--|------------|
| 13 | Friedman's Home Improvement | Miscellaneous Lumber & Engineering Supplies | 1,206.25 |
| 14 | Frontier Communications | Leased Lines | 1,773.91 |
| 15 | Intellaprint Systems | Roll Holder Set for Plotter | 200.72 |
| 16 | Jackson, David | Retiree Exp Reimb (Dec Health Ins) | 1,137.78 |
| 17 | Kehoe, Chris | Exp Reimb: Meals at 2-Day Class | 39.22 |
| 18 | Kemira Water Solutions | Ferric Chloride (10 Dry Tons) | 12,412.90 |
| 19 | Latanyzyn, Roman | Retiree Exp Reimb (Dec Health Ins) | 409.28 |
| 20 | Lemos, Kerry | Retiree Exp Reimb (Dec Health Ins) | 1,137.78 |
| 21 | Manzoni, Alicia | Retiree Exp Reimb (Dec Health Ins) | 409.28 |
| 22 | Marin County Ford | Service Parts ('20 F150 & '15 F250) | 153.46 |
| 23 | County of Marin | Encroachment Permit (350 Atherton Ave) | 448.54 |
| 24 | McGill, Jennifer | Novato "Cash for Grass" Rebate Program | 400.00 |
| 25 | McPhail Fuel Company | Propane (166 gals) (Tahiti Way - Dillon Beach) | 709.79 |
| 26 | Nave Motors | Towing Services ('16 Nissan Frontier) | 125.00 |
| 27 | North Marin Auto Parts | Service Parts ('19 Chevy Colorado, '18 Dodge Ram, '16 Nissan Frontier, '99 F350) & Miscellaneous Auto Supplies | 831.24 |
| 28 | North Bay Gas | Carbon Dioxide, Nitrogen & Breather Air | 169.72 |
| 29 | Novato Sanitary District | July 2022 (\$42,513), August 2022 (\$45,317) & September 2022 (\$34,968) RW Operating Expense | 122,798.46 |
| 30 | Piper, Vance | Novato "Cash for Grass" Rebate Program | 368.50 |
| 31 | Rice Lake Weighing Systems | Calibration for Lab | 55.00 |
| 32 | Soiland Co., Inc. | Asphalt Recycling (6 tons) | 83.55 |
| 33 | State Water Resources Control | Certification Application for Wastewater Treatment Plant Operator (Foster) | 125.00 |
| 34 | US Bank | November Safekeeping Treasury Securities | 247.00 |
| 35 | Verizon Wireless | SCADA & AMI Collectors | 830.90 |

NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR November 2022
 December 20, 2022

1.

Novato Potable Water Prod* - RR & STP Combined - in Million Gallons - FYTD

| Month | FY22/23 | FY21/22 | FY20/21 | FY19/20 | FY18/19 | 23 vs 22 % |
|-------------------|--------------|----------------|----------------|----------------|----------------|------------|
| July | 224.5 | 282.9 | 341.7 | 317.7 | 341.1 | -21% |
| August | 235.9 | 212.4 | 290.1 | 287.1 | 300.9 | 11% |
| September | 203.5 | 214.5 | 225.6 | 280.5 | 255.0 | -5% |
| October | 191.6 | 198.5 | 307.8 | 286.0 | 265.6 | -4% |
| November | 137.4 | 94.1 | 201.6 | 226.3 | 170.1 | 46% |
| FYTD Total | 992.8 | 1,002.4 | 1,366.7 | 1,397.5 | 1,332.7 | -1% |

West Marin Potable Water Production - in Million Gallons - FY to Date

| Month | FY22/23 | FY21/22 | FY20/21 | FY19/20 | FY18/19 | 23 vs 22 % |
|-------------------|-------------|-------------|-------------|-------------|-------------|------------|
| July | 6.3 | 6.0 | 8.2 | 8.9 | 10.2 | 4% |
| August | 6.8 | 5.7 | 9.2 | 8.4 | 9.9 | 19% |
| September | 6.3 | 5.9 | 7.9 | 7.8 | 9.5 | 8% |
| October | 5.7 | 5.1 | 6.7 | 7.5 | 8.3 | 13% |
| November | 4.6 | 3.5 | 5.8 | 6.7 | 7.3 | 30% |
| FYTD Total | 29.8 | 26.2 | 37.8 | 39.3 | 45.2 | 14% |

Stafford Treatment Plant Production - in Million Gallons - FY to Date

| Month | FY22/23 | FY21/22 | FY20/21 | FY19/20 | FY18/19 | 23 vs 22 % |
|-------------------|--------------|--------------|--------------|--------------|--------------|------------|
| July | 56.3 | 67.0 | 105.8 | 68.2 | 78.6 | -16% |
| August | 67.9 | 31.3 | 81.1 | 103.8 | 79.3 | 117% |
| September | 57.8 | 41.7 | 16.1 | 115.0 | 60.5 | 39% |
| October | 54.0 | 28.2 | 7.7 | 103.4 | 74.5 | 92% |
| November | 30.0 | 0.0 | 0.6 | 102.8 | 0.0 | |
| FYTD Total | 266.0 | 168.1 | 211.3 | 493.0 | 292.9 | 58% |

Recycled Water Production* - in Million Gallons - FY to Date

| Month | FY22/23 | FY21/22 | FY20/21 | FY19/20 | FY18/19 | 23 vs 22 % |
|--------------------|--------------|--------------|--------------|--------------|--------------|------------|
| July | 43.1 | 42.9 | 39.0 | 36.5 | 30.2 | 0% |
| August | 41.6 | 41.4 | 43.2 | 33.3 | 30.6 | 1% |
| September | 29.2 | 39.6 | 29.5 | 29.7 | 33.5 | -26% |
| October | 24.7 | 18.3 | 22.8 | 26.6 | 20.1 | 35% |
| November | 5.1 | 0.8 | 10.9 | 10.8 | 12.7 | 526% |
| FYTD Total* | 143.7 | 143.1 | 145.4 | 136.9 | 127.0 | 0% |

*Excludes potable water input to the RW system: FY23= 3.0 MG; FY22=10 MG; FY21=24.7 MG; FY20=16.7; FY19=20.0 MG; FY18=18.1MG

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2. Regional and Local Water Supply

Lake Sonoma

| | Current | 2021 |
|-----------------|-----------|-----------|
| Lake Storage* | 31,978 MG | 39,290 MG |
| Supply Capacity | 40 % | 49 % |

*Normal capacity =-245,000 AF (79,833.5 MG)

Lake Mendocino

| | Current | 2021 |
|-----------------|----------------|-------------|
| Lake Storage * | 12,044 MG | 6,867 MG |
| Supply Capacity | 66 % | 36 % |

*Normal capacity = 70,000-110,000 AF (22,800-35,840MG)

3. Stafford Lake Data

| | November Average | November 2022 | November 2021 |
|--------------------------|-------------------------|----------------------|----------------------|
| Rainfall this month | 3.15 Inches | 0.80 Inches | 1.55 Inches |
| Rainfall this FY to date | 10.03 Inches | 1.56 Inches | 9.19 Inches |
| Lake elevation* | 181.3 Feet | 180.9 Feet | 181.3 Feet |
| Lake storage** | 517 MG | 503 MG | 519 MG |
| Supply Capacity | 37 % | 36 % | 37 % |

* Spillway elevation is 196.0 feet

** Lake storage less 390 MG = quantity available for normal delivery

Temperature (in degrees)

| | Minimum | Maximum | Average |
|------------------------|----------------|----------------|----------------|
| November 2022 (Novato) | 38 | 63 | 51 |
| November 2021 (Novato) | 50 | 94 | 71 |

4. Number of Services

| November 30 | Novato Water | | | Recycled Water | | | West Marin Water | | | Oceana Marin Swr | | |
|------------------------|---------------------|--------|--------|-----------------------|------|--------|-------------------------|------|--------|-------------------------|------|--------|
| | FY23 | FY22 | Incr % | FY23 | FY22 | Incr % | FY23 | FY22 | Incr % | FY23 | FY22 | Incr % |
| Total meters installed | 20,950 | 20,820 | 0.6% | 102 | 99 | 3.0% | 800 | 798 | 0.3% | - | - | - |
| Total meters active | 20,798 | 20,643 | 0.8% | 99 | 96 | 3.1% | 791 | 788 | 0.4% | - | - | - |
| Active dwelling units | 24,095 | 24,098 | 0.0% | - | - | - | 837 | 837 | 0.0% | 235 | 235 | 0.0% |

5. Oceana Marin Monthly Status Report (November)

| Description | November 2022 | November 2021 |
|---------------------------------|----------------------|----------------------|
| Effluent Flow Volume (MG) | 0.390 | 0.554 |
| Irrigation Field Discharge (MG) | 0.684 | 0.734 |
| Treatment Pond Freeboard (ft) | 7.3 | 12 (dry) |
| Storage Pond Freeboard (ft) | 10.9 | 9.4 |

6. Developer Projects Status Report (November)

| Job No. | Project | % Complete | % This month |
|-----------|-----------------------------|------------|--------------|
| 1.2831.00 | Landsea Homes | 85 | 0 |
| 1.2836.00 | Residence Inn | 15 | 0 |
| 1.2841.00 | Hamilton Village | 85 | 0 |
| 1.2855.00 | NSD Ignacio Plant | 20 | 0 |
| 1.2858.00 | North Bay Children's Center | 20 | 0 |
| 1.2860.00 | Habitat Redwood Blvd | 9 | 0 |

District Projects Status Report - Const. Dept. (November)

| Job No. | Project | % Complete | % This month |
|-----------|--------------------------------------|------------|--------------|
| 2.6609.20 | Gallagher Well No. 2 | 100 | 0 |
| 1.2836.00 | Residence Inn | 75 | 0 |
| 1.7204.00 | Loop Dead End Mains – Office to Yard | 90 | 0 |

Employee Hours to Date, FY 22/23

As of Pay Period Ending December 31, 2022
 Percent of Fiscal Year Passed = 50%

| Developer Projects | Developer Projects | | | District Projects | District Projects | | |
|--------------------|--------------------|--------|--------------|-------------------|-------------------|--------|--------------|
| | Actual | Budget | % YTD Budget | | Actual | Budget | % YTD Budget |
| Construction | 1,133 | 1,400 | 81% | Construction | 1,789 | 3,988 | 45% |
| Engineering | 544 | 2,290 | 24% | Engineering | 1,521 | 4,323 | 35% |

7. Safety/Liability

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| Industrial Injury with Lost Time | | | | Liability Claims Paid | | |
|---|---------------------------|----------------------|------------------|-----------------------|------------------|----------|
| Lost Days | OH Cost of Lost Days (\$) | No. of Emp. Involved | No. of Incidents | Incurred (FYTD) | Paid (FYTD) (\$) | |
| FY 23 through Nov | 130 | \$63,504 | 3 | 3 | 1 | \$36,512 |
| FY 22 through Nov | 61 | \$13,814 | 2 | 2 | 0 | \$0 |
| Days since lost time accident through October 31, 2022 | | | | 34 Days | | |

* (1) Claim settlement for driveway and concrete repair due to water damage to a property on Bugeia Lane.

8. Energy Cost

| FYE | November | | | Fiscal Year-to-Date thru November | | |
|--------------------|----------|-------|----------|-----------------------------------|-------|----------|
| | kWh | ¢/kWh | Cost/Day | kWh | ¢/kWh | Cost/Day |
| 2023 Stafford TP | 42,755 | 22.9¢ | \$326 | 300,778 | 22.1¢ | \$435 |
| Pumping | 102,040 | 27.1¢ | \$989 | 678,396 | 28.2¢ | \$1,268 |
| Other ¹ | 25,706 | 32.6¢ | \$299 | 180,975 | 32.1¢ | \$385 |
| | 170,502 | 26.9¢ | \$1,614 | 1,160,149 | 27.3¢ | \$2,088 |
| 2022 Stafford TP | 46,985 | 22.2¢ | \$337 | 175,059 | 21.8¢ | \$311 |
| Pumping | 118,666 | 27.0¢ | \$1,032 | 543,733 | 27.5¢ | \$1,214 |
| Other ¹ | 64,297 | 33.3¢ | \$691 | 186,078 | 32.0¢ | \$485 |
| | 229,948 | 27.8¢ | \$2,060 | 904,870 | 27.3¢ | \$2,010 |
| 2021 Stafford TP | 46,317 | 21.5¢ | \$333 | 258,947 | 19.8¢ | \$416 |
| Pumping | 158,738 | 25.5¢ | \$1,352 | 680,872 | 25.6¢ | \$1,439 |
| Other ¹ | 44,679 | 29.5¢ | \$439 | 191,374 | 30.1¢ | \$476 |
| | 249,734 | 25.8¢ | \$2,124 | 1,131,193 | 25.0¢ | \$2,331 |

¹Other includes West Marin Facilities

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9. Water Conservation Update

| | Month of November 2022 | Fiscal Year to Date | Program Total to Date |
|--------------------------------------|------------------------|---------------------|-----------------------|
| High Efficiency Toilet (HET) Rebates | 12 | 31 | 4,439 |
| Retrofit Certificates Filed | 3 | 35 | 6,736 |
| Cash for Grass Rebates | 7 | 28 | 1,044 |
| Washing Machine Rebates | 3 | 11 | 6,878 |
| Water Smart Home Survey | 0 | 8 | 3,916 |

10. Utility Performance Metric

| SERVICE DISRUPTIONS (No. of Customers Impacted) | November 2023 | November 2022 | Fiscal Year to Date 2023 | Fiscal Year to Date 2022 |
|--|---------------|---------------|--------------------------|--------------------------|
| PLANNED | | | | |
| Duration Between 0.5 and 4 hours | 7 | 2 | 52 | 58 |
| Duration Between 4 and 12 hours | | 1 | | 17 |
| Duration Greater than 12 hours | | | | |
| UNPLANNED | | | | |
| Duration Between 0.5 and 4 hours | 0 | 1 | 100 | 11 |
| Duration Between 4 and 12 hours | | | | |
| Duration Greater than 12 hours | | | | |
| SERVICE LINES REPLACED | | | | |
| Polybutylene | 4 | 2 | 31 | 22 |
| Copper Replaced or Repaired) | 3 | 0 | 7 | 15 |

Planned

For the month of November, we had seven planned service disruptions. Four of those were plastic service lines on East Court, Leese Lane, Western Drive, and a 2” plastic line at 46 Galli Drive that fed Bio Marin that we had to schedule on a Saturday for the shutdown. Three were copper lines replaced at Armstrong Avenue and Sinaloa Ct.

Unplanned

There were no unplanned service disruptions for November.

11. Summary of COVID-19 Costs and Water Bill Delinquency Impacts - to Date

| | Nov. Total | Oct. Total |
|--|------------|------------|
| Increase in on-call Labor Costs | \$ 137,000 | \$ 137,000 |
| Payroll Accounts Receivable Collection Costs | \$ 15,000 | \$ 15,000 |
| Time off to Employees for COVID related reasons* - | \$ 121,000 | \$ 116,000 |
| Vendor Expenses - Including Legal Fees | \$ 48,000 | \$ 48,000 |
| Total Covid-19 Costs to Date | \$ 321,000 | \$ 316,000 |

* Families First Coronavirus Response Act (FFCRA) & CA Supplemental Paid Sick Leave (SPSL)
Allows employees to take time off for COVID medical reasons including vaccination.

Water Bill Delinquency Impacts

| | 2 Years Ago 11/2020 | Last Year 11/2021 | This Year 11/2022 |
|--|------------------------|----------------------|----------------------|
| Customer Accounts Past Due (count) | 5.8% | 3.6% | 1.4% |
| Delinquent Balances % Due on Account | 10.7% | 10.0% | 2.6% |
| Delinquent Balances \$ Due on Account* | \$ 140,000 | \$ 135,000 | \$ 48,000 |

* High balance on record of \$159K in 12/2021.

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NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders November 2022

Tag Breakdown:

Total: 246 Consumer: 97 Office: 149

| <u>Type</u> | <u>Nov-22</u> | <u>Nov-21</u> | <u>Added Notes</u> |
|---------------------------------|-------------------|-------------------|--------------------|
| <u>Billing</u> | | | |
| High Bill | 1 | 1 | |
| Total | 1 | 1 | |
| <u>Meter Replacement</u> | | | |
| | 34 | 14 | |
| Total | 34 | 14 | |
| <u>Need Read</u> | | | |
| | 4 | 4 | |
| Total | 4 | 4 | |
| <u>No-Water</u> | | | |
| | 4 | 0 | |
| Total | 4 | 0 | |
| <u>Leak</u> | | | |
| Consumer | 132 | 91 | |
| District | 9 | 9 | |
| Total | 141 | 100 | |
| <u>Water Quality</u> | | | |
| Taste/ Odor | 1 | 0 | |
| Total | 1 | 0 | |
| <u>Check Pressure</u> | | | |
| | 2 | 0 | |
| Total | 2 | 0 | |
| <u>Turn Off / On</u> | | | |
| | 38 | 12 | |
| Total | 38 | 12 | |
| <u>Other</u> | | | |
| | 21 | 2 | |
| Total | 21 | 2 | |
| <u>TOTAL FOR MONTH:</u> | <u>246</u> | <u>133</u> | <u>85%</u> |

Fiscal YTD Summary

| | | |
|-------------------|---------------------|---------------------|
| Billing | 5 | 8 |
| Meter Replacement | 104 | 84 |
| Need Read | 20 | 25 |
| No-Water | 18 | - |
| Leak | 1,070 | 754 |
| Water Quality | 2 | 1 |
| Noisy Pipes | - | 2 |
| Pressure | 9 | 8 |
| Turn Off / On | 153 | 91 |
| Other | 85 | 45 |
| Total | <u>1,466</u> | <u>1,018</u> |

Change Primarily Due To

| |
|--------------------------------|
| Decrease in Billing |
| Increase in Meter Replacements |
| Decrease in Reads |
| Increase in No-Water |
| Increase in Leaks |
| Increase in Water Quality |
| Decrease in Noisy Pipes |
| Increase in Water Pressure |
| Increase in Water On/Off |
| Increase in Misc. Tags |
| <u>44%</u> |

Bill Adjustments Under Board Policy:

November 22 vs. November 21

| | | |
|--------|----|---------|
| Nov-22 | 15 | \$4,529 |
| Nov-21 | 19 | \$9,498 |

Fiscal Year vs Prior FY

| | | |
|----------|----|----------|
| FY 22/23 | 79 | \$21,448 |
| FY 21/22 | 82 | \$29,541 |



MEMORANDUM

To: Board of Directors

December 20, 2022

From: Julie Blue, Auditor-Controller *JB*
 Nancy Holton, Accounting Supervisor *NH*

Subj: Auditor-Controller's Monthly Report of Investments for November 2022
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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$43,139,241 and a market value of \$42,785,285. During November the cash balance increased by \$1,270. The market value of securities held decreased \$353,956 during the month. The total unrestricted cash balance at month end was \$4,838,543 and 105.1% of the Designated Cash Reserves are funded.

At November 30, 2022, 50% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 11% in Time Certificates of Deposit, 35% in a Treasury Note, 2% in the Marin County Treasury, and 2% retained locally for operating purposes. The weighted average maturity of the portfolio was 66 days, compared to 67 days at the end of October. The LAIF interest rate for the month was 2.01%, compared to 1.77% the previous month. The weighted average Portfolio rate was 2.93%, compared to 2.76% for the prior month.

Investment Transactions for the month of November are listed below:

| | | | | |
|------------|---------|----------------------------|----------------|---------------------------------|
| 11/3/2022 | US Bank | LAIF | \$300,000.00 | Trsf to LAIF account |
| 11/9/2022 | US Bank | Popular Bank | \$247,000.00 | Purchase 4.75% TCD due 11/7/24 |
| 11/10/2022 | US Bank | Dannemora Fed Credit Union | \$249,000.00 | Purchase 4.70% TCD due 11/10/23 |
| 11/21/2022 | US Bank | Greenwood Credit Union | \$248,000.00 | Purchase 4.85% TCD due 11/21/23 |
| 11/22/2022 | LAIF | US Bank | \$300,000.00 | Trsf from LAIF account |
| 11/22/2022 | US Bank | Alabama Credit Union | \$248,000.00 | Purchase 4.90% TCD due 11/22/24 |
| 11/23/2022 | LAIF | US Bank | \$1,090,000.00 | Trsf from LAIF account |
| 11/29/2022 | US Bank | LAIF | \$350,000.00 | Trsf to LAIF account |

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
November 30, 2022**

| Type | Description | S&P Rating | Purchase Date | Maturity Date | Cost Basis ¹ | 11/30/2022 Market Value | Yield ² | % of Portfolio |
|------------------------------------|----------------------------|------------|---------------|---------------|-------------------------|-------------------------|--------------------|----------------|
| LAIF | State of CA Treasury | AA- | Various | Open | \$21,657,799 | \$21,241,124 | 2.01% ³ | 50% |
| Time Certificate of Deposit | | | | | | | | |
| TCD | Enerbank | n/a | 9/25/20 | 9/25/24 | 249,000 | 249,000 | 0.45% | 1% |
| TCD | Sallie Mae Bank | n/a | 8/18/21 | 8/18/23 | 249,000 | 249,000 | 0.35% | 1% |
| TCD | UBS Bank | n/a | 9/9/21 | 9/11/23 | 249,000 | 249,000 | 0.35% | 1% |
| TCD | BMW Bank | n/a | 8/20/21 | 2/20/24 | 249,000 | 249,000 | 0.45% | 1% |
| TCD | Goldman Sachs Bank | n/a | 1/19/22 | 1/19/24 | 249,000 | 249,000 | 0.75% | 1% |
| TCD | Ally Bank | n/a | 2/24/22 | 2/23/24 | 248,000 | 248,000 | 1.30% | 1% |
| TCD | Greenstate Credit Union | n/a | 3/15/22 | 3/15/24 | 249,000 | 249,000 | 1.60% | 1% |
| TCD | Capital One Bank | n/a | 4/7/22 | 4/8/24 | 247,000 | 247,000 | 2.20% | 1% |
| TCD | Capital One Bank, N.A. | n/a | 4/20/22 | 4/22/24 | 247,000 | 247,000 | 2.35% | 1% |
| TCD | American Express Natl Bank | n/a | 5/4/22 | 5/6/24 | 246,000 | 246,000 | 2.60% | 1% |
| TCD | BMO Harris Bank | n/a | 6/10/22 | 6/10/24 | 246,000 | 246,000 | 2.80% | 1% |
| TCD | GE Credit Union | n/a | 6/29/22 | 6/28/24 | 249,000 | 249,000 | 3.25% | 1% |
| TCD | Beal Bank | n/a | 7/13/22 | 7/10/24 | 246,000 | 246,000 | 3.05% | 1% |
| TCD | Synchrony Bank | n/a | 8/5/22 | 8/5/24 | 245,000 | 245,000 | 3.30% | 1% |
| TCD | Discover Bank | n/a | 9/13/22 | 9/13/24 | 245,000 | 245,000 | 3.40% | 1% |
| TCD | Sharonview Credit Union | n/a | 10/17/22 | 10/17/24 | 249,000 | 249,000 | 4.35% | 1% |
| TCD | Popular Bank | n/a | 11/9/22 | 11/7/24 | 247,000 | 247,000 | 4.75% | 1% |
| TCD | Dannemora Fed Credit Union | n/a | 11/10/22 | 11/10/23 | 249,000 | 249,000 | 4.70% | 1% |
| TCD | Greenwood Credit Union | n/a | 11/21/22 | 11/21/23 | 248,000 | 248,000 | 4.85% | 1% |
| TCD | Alabama Credit Union | n/a | 11/22/22 | 11/22/24 | 248,000 | 248,000 | 4.90% | 1% |
| | | | | | \$4,954,000 | \$4,954,000 | 1.88% | 11% |
| US Treasury Notes | | | | | | | | |
| Treas | Treasury Note | n/a | 8/24/22 | 12/20/22 | \$15,040,800 | \$15,103,519 | 2.83% | 35% |
| Other | | | | | | | | |
| Agency | Marin Co Treasury | AAA | Various | Open | \$1,044,785 | \$1,044,785 | 0.03% | 2% |
| Other | Various | n/a | Various | Open | 441,856 | 441,856 | 0.13% | 2% |
| TOTAL IN PORTFOLIO | | | | | \$43,139,241 | \$42,785,285 | 2.93% | 100% |

Weighted Average Maturity = 66 Days

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit.

Treas: US Treasury Notes with maturity of 5 years or less.

Agency: STP State Revolving Fund Loan Reserve.

Other: Comprised of 5 accounts used for operating purposes. US Bank Operating Account, US Bank STP SRF Loan Account, US Bank FSA Payments Account, Bank of Marin AEEP Checking Account & NMWD Petty Cash Fund.

¹ Original cost less repayment of principal and amortization of premium or discount.



² Yield defined to be annualized interest earnings to maturity as a percentage of invested funds.

³ Earnings are calculated daily - this represents the average yield for the month ending November 30, 2022.

| Interest Bearing Loans | Loan Date | Maturity Date | Original Loan Amount | Principal Outstanding | Interest Rate |
|-------------------------------------|-----------|---------------|----------------------|-----------------------|---------------|
| Marin Country Club Loan | 1/1/18 | 11/1/47 | \$1,265,295 | \$1,079,848 | 1.00% |
| Marin Municipal Water - AEEP | 7/1/14 | 7/1/32 | \$3,600,000 | \$1,777,295 | 2.71% |
| Employee Housing Loan (1) | 3/30/15 | 3/30/30 | 250,000 | 250,000 | Contingent |
| TOTAL INTEREST BEARING LOANS | | | \$5,115,295 | \$3,107,143 | |

The District has the ability to meet the next six months of cash flow requirements.

2023 TAC AND WAC/TAC MEETING SCHEDULE
35 Stony Point Road, Santa Rosa, California

| Month | Day | Body | Time |
|-----------|-----|--|----------|
| JANUARY | 9 |  TAC | 9:00a.m. |
| FEBRUARY | 6 | WAC/TAC | 9:00a.m. |
| MARCH | 6 |  TAC | 9:00a.m. |
| APRIL | 3 | SPECIAL WAC/TAC | 9:00a.m. |
| MAY | 1 | WAC/TAC | 9:00a.m. |
| JUNE | 5 | TAC | 9:00a.m. |
| JULY | 10 | TAC | 9:00a.m. |
| AUGUST | 7 | WAC/TAC | 9:00a.m. |
| SEPTEMBER | 11 | TAC | 9:00a.m. |
| OCTOBER | 2 | TAC | 9:00a.m. |
| NOVEMBER | 6 | WAC/TAC | 9:00a.m. |
| DECEMBER | 4 | TAC | 9:00a.m. |

POINT REYES LIGHT December 8, 2022

Notice:

Seasonal salinity intrusion has occurred into two of North Marin Water District's wells serving the West Marin communities of Point Reyes Station, Olema, Inverness Park, and Paradise Ranch Estates.

The table below lists the most recent concentrations for sodium and chloride in the West Marin water supply. While there is no direct health concern from salt for most people at this concentration, customers that are on sodium restricted diets may choose to consult their physicians to see if additional sodium is a concern for them.

| Date | Sodium | Chloride | Units |
|----------|----------|----------|-------|
| 11/7/22 | 13 - 29* | 15 - 39* | mg/L* |
| 11/14/22 | 13 - 57* | 15 - 92* | mg/L* |
| 11/21/22 | 13 - 19* | 15 - 92* | mg/L* |
| 11/28/22 | 13 - 43* | 15 - 66* | mg/L* |

mg/L = milligrams per liter

* This is a range from four different sample sites across the span of NMWD's distribution system.

More information about NMWD's water quality programs including the annual report summarizing the high quality of the drinking water we serve to your tap can be found at www.nmwd.com/wq.

Notice:

Seasonal salinity intrusion has occurred into two of North Marin Water District's wells serving the West Marin communities of Point Reyes Station, Olema, Inverness Park, and Paradise Ranch Estates.

The table below lists the most recent concentrations for sodium and chloride in the West Marin water supply. While there is no direct health concern from salt for most people at this concentration, customers that are on sodium restricted diets may choose to consult their physicians to see if additional sodium is a concern for them.

| Date | Sodium | Chloride | Units |
|-------------|---------------|-----------------|--------------|
| 11/14/22 | 13 - 57* | 15 - 92* | mg/L* |
| 11/21/22 | 13 - 19* | 15 - 92* | mg/L* |
| 11/28/22 | 13 - 43* | 15 - 66* | mg/L* |
| 12/6/22 | 12 - 34* | 14 - 49* | mg/L* |

mg/L = milligrams per liter

* This is a range from four different sample sites across the span of NMWD's distribution system.

More information about NMWD's water quality programs including the annual report summarizing the high quality of the drinking water we serve to your tap can be found at www.nmwd.com/wq.

Three-Month Outlooks

Revised OFFICIAL Forecasts

December 2022

Precipitation Probability
(Jan-Feb-March 2022/23)

<https://www.cnrfc.noaa.gov/climoForecasts.php#seasonal>

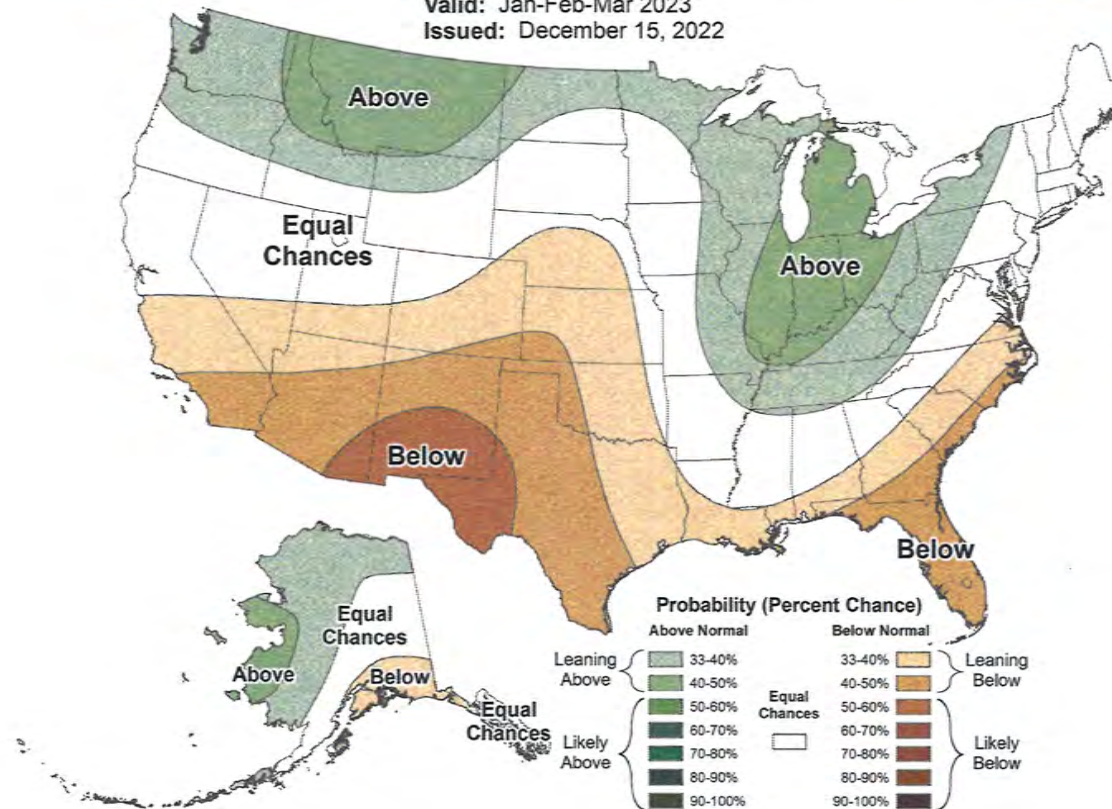
https://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.png



Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2023
Issued: December 15, 2022



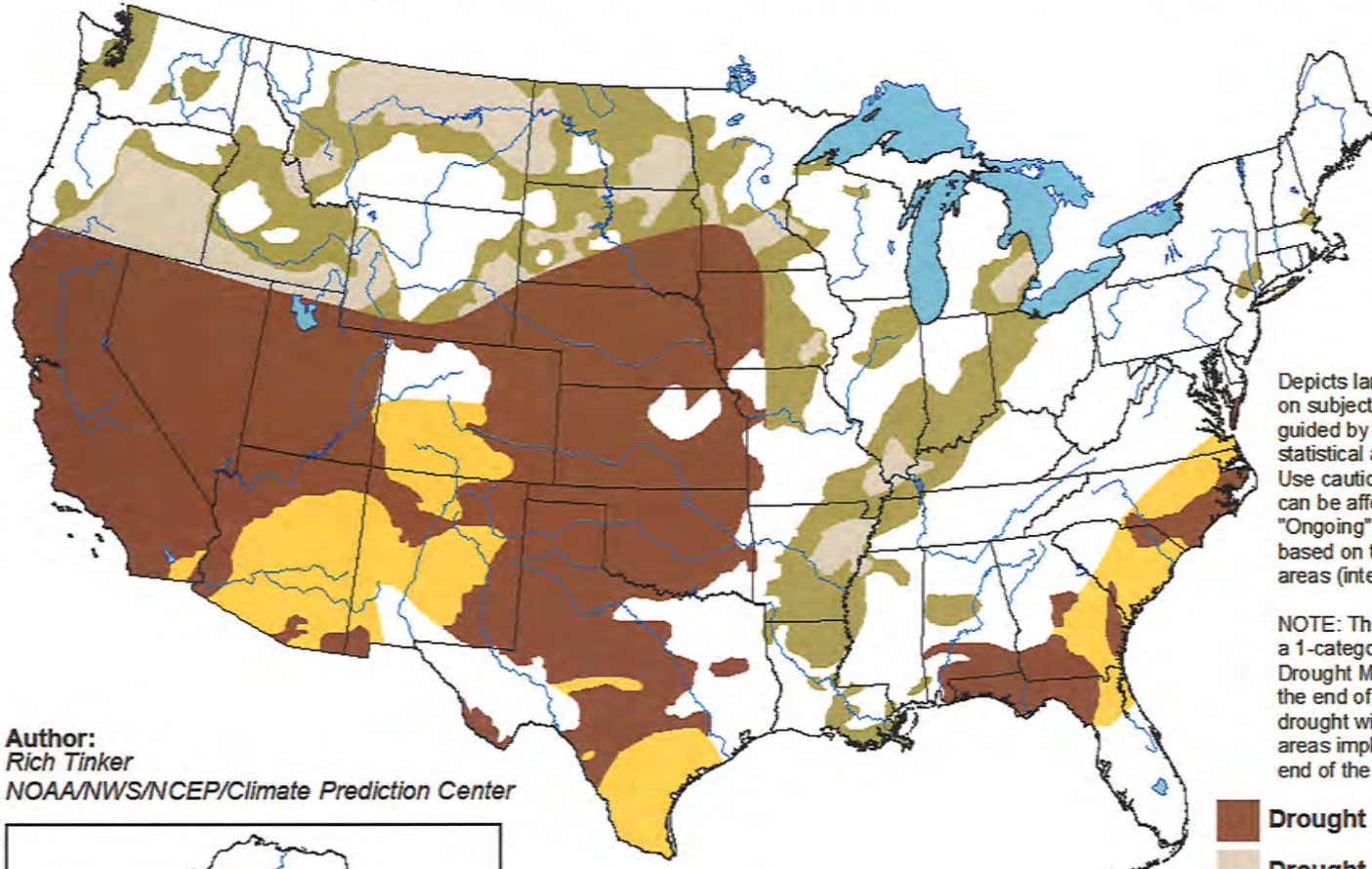
UPDATED MONTHLY FORECASTS SERVICE CHANGE NOTICE

EXPERIMENTAL TWO-CLASS SEASONAL FORECASTS

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period




Valid for December 15, 2022 - March 31, 2023
Released December 15, 2022

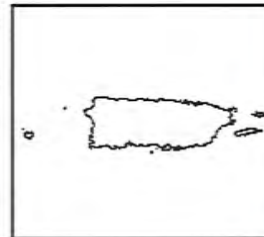
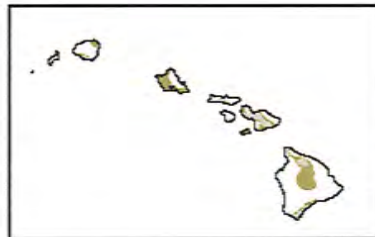


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Rich Tinker
NOAA/NWS/NCEP/Climate Prediction Center

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>



MEMORANDUM

To: Board of Directors

Date: December 20, 2022

From: Chris Kehoe, Interim Construction/Maintenance Superintendent

Subject: Spoils Pile Removal

k:\construction superintendent\memo to board spoils pile.docx

RECOMMENDED ACTION: Miscellaneous

FINANCIAL IMPACT: \$8,664.00 (available in approved budget)

The spoils pile in our construction back lot is where all of our excavated material is stored throughout the year. The material comes from service replacements, leaks, and all trenching for pipeline installs. When our pile reaches its maximum capacity for our lot we then have to off haul it. In the past we have had verbal contracts with different property owners for us to get rid of this excess material. We no longer have these options with those owners. At this point we have to pay to get rid of the material. I contacted Don Muns with Maggiora & Ghilotti to see if they would be interested in doing this work for us. They gave me a price quote of \$8,664 or \$40 a yard to remove the material. Between the two of us we had calculated that there was roughly 220 yards of dirt to be removed. I thought that this was a good price and we went ahead and hired them to do this work for us. Considering the time and effort trying to find new spots to have this dirt hauled and using our own equipment and employees, it made sense cost wise to have them come in and do this cheaper than we could have done on our own. Maggiora & Ghilotti came in our yard on December 7, 2022 and was finished with the work on the following day. I will recommend that we approach this issue on a yearly basis to have the stock pile removed every year in the months of September or October.



MEMORANDUM

To: Board of Directors

December 20, 2022

From: Nancy Williamson, Senior Accountant *NW*

Subj: Revenue Received for Disposal of Surplus Equipment
T:\AC\Board Reports\Board Memos\2022\Employee Changes 2022\Management Leave 11.15.22.docx

RECOMMENDED ACTION: None

FINANCIAL IMPACT: \$7,450 in Revenue

As part of the adopted FY 22/23 and the previous FY Equipment Budgets, staff has continued with our agreement with the Enterprise Fleet Management group leasing 1 ton and smaller vehicles. This past year we sold two older vehicles that we kept the previous year during covid restrictions in order to allow staff to drive independently. We also had various equipment we could no longer use reliably.

Staff sold the surplus equipment through J.J. Kane Auctioneers. The actual amount received (sale price less 4% commission and \$624 in transportation fees) is shown below. This was the 1st year we have sold equipment through this vendor.

| Equip. No. | Description | Mileage | Auction Bid | Actual Amount Received |
|------------|------------------------------|---------|----------------|------------------------|
| 49 | 2003 Dodge Dakota 4x4 | 128,418 | \$1,050 | \$696 |
| 505 | 2008 Ford F250 4x4 | 110,075 | \$6,750 | \$6,168 |
| | Echo Blower | | \$40 | \$38 |
| | Southland Weed Cutter | | \$40 | \$38 |
| | Wilden Air Operated Pump (3) | | \$310 | \$298 |
| | Lincoln Arc Welder | | \$110 | \$106 |
| | Snap On Tire Balancer | | \$110 | \$106 |
| | TOTAL | | \$8,410 | \$7,450 |

RECEIVED

NOV 28 2022

Date: November 14, 2022

North Marin Water District

To: All Independent Special Districts

Subject: Election of Special District Representative Class II

Attached please find the materials associated with an election to fill the position of Special District Representative Class II Regular Member to Sonoma LAFCO for the remainder of the term ending May 2025. As a result of an earlier notification by Sonoma LAFCO to special districts, two nominations were submitted by the October 28th, 2022 deadline.

Nominations for this position were restricted to board members of ambulance, cemetery, health and hospital, pest control, recreation and parks, resource conservation, wastewater, and water districts.

All independent special districts have the right to vote in the election.

The election process requires that Sonoma LAFCO send to each district copies of the following:

1. A ballot and certification form, with voting instructions
2. All nominations received by the established deadline

All ballots should be returned to the LAFCO office by February 15, 2023. Ballots received by the deadline will be counted and the results announced within seven days.

Ballot sheet and certification may be emailed to Kasandra.Bowen@sonoma-county.org, to meet deadline requirements. However, originals must be mailed to the LAFCO office as soon as possible thereafter. The LAFCO mailing address is P.O. Box 1428, Santa Rosa, CA 95404

Please note that ballots representing a majority of the districts must be received by the deadline date for the election to be considered valid. In the event a majority of districts have not cast ballots by the deadline, Sonoma LAFCO will extend the deadline date by 60 days to allow those districts that have not returned a ballot to do so.

On behalf of the Commission, we urge your district to participate in this election for special district representation to Sonoma LAFCO and to return the ballot by the February 15th deadline.

If you have any questions or need additional information, please contact Sonoma LAFCO at 707-565-2577.

SONOMA LOCAL AGENCY FORMATION COMMISSION

BALLOT

Special District Representative Class II Term of Office Ending May 2025

1. Vote for only one candidate for Special District Representative.
2. The presiding officer or his/her designated alternate, acting on behalf of the district, must cast the district's vote by marking the space to the right of a candidate's name and then complete, sign, and date the certification.
3. Place the marked ballot sheet and certification into the envelope provided and mail to Sonoma LAFCO, P.O. Box 1428, Santa Rosa, CA 95404. Ballot sheet and certification may be emailed to Kasandra.Bowen@sonoma-county.org, to meet deadline requirements. However, originals must be mailed to the LAFCO office as soon as possible thereafter.
5. **Submit ballot and certification by Wednesday, February 15th, 2023**

VOTE

Tamara Davis, Marin Sonoma Mosquito & Vector Control _____

Rich Holmer, Sweet Water Springs Water District _____

CERTIFICATION

I certify, under penalty of perjury, that I, _____
(Print Name of Presiding Officer or Alternate)

I am the Presiding Officer of _____
(Print Name of Special District)

or his/her designated alternate, and I am authorized by my district to cast the district's vote for Special District Representative to the Local Agency Formation Commission in this election.

(Date)

(Signature)

SONOMA LOCAL AGENCY FORMATION COMMISSION

575 ADMINISTRATION DRIVE, ROOM 104A, SANTA ROSA, CA 95403
(707) 565-2577 FAX (707) 565-3778
www.sonomalafco.org

APPLICATION FOR SPECIAL DISTRICT REPRESENTATIVE (CLASS II)

This application has been designed to provide pertinent information about each candidate applying for the position of Class II Special District Representative to LAFCO. Class II districts include ambulance, cemetery, health and hospital, pest control, recreation and parks, resource conservation, wastewater, and water districts.

Please read the application carefully and type your responses or print in ink.

Date Submitted: September 22, 2022

Name: Tamara Davis

Address: 903 Hacienda Circle, Bohmer Park, CA 94928

Phone(s): 707-585-6153

Email: PhineasChapmanRP@gmail.com

Name of District You Represent: Marin/Sonoma Mosquito & Vector Control District

Date of Most Current Election/Appointment: 2018

Date Term Expires: 2022

Total years with District: 20+ years

Total Years Associated with Government/ Community Service: 40+ years

List any other agencies/special Districts you have been or are currently involved with:

pls refer to attached document

List Community Service Activities including Names of Organizations and Dates of Service:

pls refer to attached document

SONOMA LOCAL AGENCY FORMATION COMMISSION

Have you attended LAFCO meetings? If yes, when?

yes, but not recently

Please explain why you want to serve on the Sonoma Local Agency Formation Commission (LAFCO).

I have a long history of involvement in public services within Sonoma County and would like to use my experience working with LAFCO.

The Marin/Sonoma Mosquito & Vector Control District staff works in all areas of Sonoma County and the localities. This would be helpful to me while working with LAFCO.

I have long been interested in the goals of this agency and would like to have the opportunity to participate.

From your perspective, explain the purpose of LAFCO:

LAFCO is focused on the efficient delivery of public services and the effective formation of local government.

Protecting agricultural land & and open space is a priority and as someone who grew up in Sonoma County, very important to me. This also means limiting urban sprawl.

I have observed the activities of LAFCO from when I was with the city of Cotati and various groups over the years. I think I can bring an objective view point to this work.

TAMARA DAVIS

903 Hacienda Circle - Rohnert Park, CA 94928
(707) 585-6153 - phincascha@mamp@gmail.com

OBJECTIVE

LAFCO Special District Representative (Class II)

PUBLIC SERVICE HIGHLIGHTS

- Trustee - Marin/Sonoma Mosquito and Vector Control District (Member of Executive Committee) representing County of Sonoma at-large since 2002.
 - Past President of Mosquito and Vector Control Association of California (MVCAC) Trustee Council. Eight years on Trustee Council. Currently serving on Legislative Committee & Board.
 - Second Vice-President & Trustee Representative for Coastal & Sacramento Valley Regions of the Vector Control Joint Powers Agency (VCJPA) - Board of Directors.
 - California Affiliated Risk Management Authorities (CARMA) - Board of Directors Alternate
 - Sonoma County Consolidated Oversight Board (Member)
-

PROFESSIONAL EXPERIENCE

STATE FARM INSURANCE - 34 Years of Service - Retired in 2004

Held various progressively responsible positions:

- Public Affairs Manager (focus on legislative, public policy issues, education, community outreach and media relations)
 - Fire Claims Superintendent (focus on home and business claims and claims involving litigation and also managed a litigation unit)
 - Re-inspector/Trainer (focus on reinspecting handled claims and assisting in training new claim representatives)
 - Claim Representative (handled home and business claims and a variety of disasters - hailstorms in New Mexico, Colorado and Wyoming)
 - Life Company - cash control clerk, administrative assistant
 - Auto Underwriting - assistant auto underwriter
-

PRIOR COMMUNITY INVOLVEMENT

- Goodwill Industries of the Redwood Empire - Board of Directors
- Mosquito Research Foundation - Board of Directors
- Mayor and Council Member - City of Cotati
- Corporate Council - State Conference of NAACP

- Santa Rosa Chamber of Commerce – Government Review Committee
- Alliance of North Bay Chambers of Commerce – Board of Directors
- Rohnert Park Chamber of Commerce
- Cotati Chamber of Commerce
- Sonoma State University – Ambassador for Higher Education
- Sonoma County Business Education Round Table – past president of Board of Directors
- Insurance Information Network of California – Past President of Board of Directors – member of IINC Communications Committee
- Personal Insurance Federation of California – communications and legislation committee member
- Professional Business Women of California – past Board of Directors member, Advisory Committee member
- Recipient of the 2001 Women and Industry award for Insurance and the 2001 Women and Industry Award for Community Involvement
- Leadership California – graduate
- The Association for Women in Communications – member
- Redwood Municipal Insurance Fund – Board of Directors
- Governor’s School to Career Advisory Council – appointed by Governor Pete Wilson
- Sonoma County School to Career Partnership – past president and founding board member

EDUCATION

BACHELOR OF ARTS (B.A.) Sonoma State University

ASSOCIATE OF ARTS (A.A) Santa Rosa Junior College

FELLOW OF THE LIFE OFFICE MANAGEMENT ASSOCIATION (LOMA)

SONOMA LOCAL AGENCY FORMATION COMMISSION

111 SANTA ROSA AVE STE 240, SANTA ROSA, CA 95404
(707) 565-2577 www.sonomalafco.org

APPLICATION FOR SPECIAL DISTRICT REPRESENTATIVE (CLASS II)

This application has been designed to provide pertinent information about each candidate applying for the position of Class II Special District Representative to LAFCO. Class II districts include ambulance, cemetery, health and hospital, pest control, recreation and parks, resource conservation, wastewater, and water districts.

Please read the application carefully and type your responses or print in ink.

Date Submitted: October 22, 2022

Name: Richard L Holmer

Address: PO Box 22, Villa Grande, CA 95486

Phone(s): 707-865-2998, 707-327-8660

Email: richandwanda@sbcglobal.net

Name of District You Represent: Sweetwater Springs Water District

Date of Most Current Election/Appointment: June, 2011

Date Term Expires: Dec., 2022

Total years with District: 11 years

Total Years Associated with Government/ Community Service: 45 years

List any other agencies/special Districts you have been or are currently involved with:

Sonoma LAFCO, Sept. 2016 to present

Creekside Wastewater Authority, 2013-2019

County of Sonoma, 1972-2004

List Community Service Activities including Names of Organizations and Dates of Service:

Friends of Villa Grande a 501c3 corporation formed for the benefit of the community of Villa Grande, 2015 to present

California Onsite Wastewater Association, 2003-2004

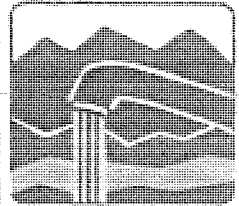
Sonoma County Administrative Management Council, 1996-2004

Russian River Historical Society, 1998-1999

Kenwood Community Club, 1974-1978

Sweetwater
Springs

WATER
DISTRICT



Eric Schanz, General Manager

October 7, 2022

TO: Sonoma LAFCO

To Whom It May Concern:

By this letter I hereby attest that the Board of Directors of the Sweetwater Springs Water District at their October 6, 2022 Board Meeting approved a motion to nominate Sweetwater Director Richard Holmer for Class II Representative for LAFCO. Motion was made by Director Robb-Wilder, seconded by Director Lipinski, and approved by a vote of 5-0.

Sincerely,

A handwritten signature in cursive script that reads 'Julie C. Kenny'.

Julie Kenny
Secretary to the Board
Sweetwater Springs Water District
(707) 869-4000

PO Box 22
Villa Grande, CA 95486

Phone 707-865-2998
E-mail
richandwanda@sbcgloabl.net

Richard L Holmer, Resume

Objective

I am applying to serve on the Board of Directors of the Local Agency Formation Commission.

Education

1964 to 1968, San Jose State University, San Jose, CA
Bachelor of Arts degree in Environmental Health Sciences

1968 to 1969, University of California, Berkeley, CA
Post graduate work in the field of Environmental Health Sciences

Work experience

1969 to 1972, County of Santa Clara, Department of Public Health: Environmental Health Specialist

1972 to 1995, County of Sonoma, Department of Health Services: Environmental Health Specialist, Land Use Specialist, Supervising Environmental Health Specialist

1995 to 2004, County of Sonoma, Permit and Resource Management Department: Operations Division Manager

2004 to present, retired

Summary of qualifications

I have extensive experience in governmental oversight of land development in Sonoma County during my tenure at the Sonoma County Department of Health Services and the Sonoma County Permit and Resource Management Department. These duties included review of projects, review of environmental impacts of projects and direct participation as a member of staff level review panels. Additionally, I gave staff input to the Planning Commission, Board of Zoning Adjustments and the Board of Supervisors. These activities provide a solid background of experience to serve effectively as a member of LAFCO.

During my ten years as a manger at the Permit and Resource Management Department, I gained considerable experience in interacting with staff members, the public and elected bodies. I feel that I have good communication skills and the ability to make effective and well thought out decisions.

In my elected position as a Board member of the Sweetwater Springs Water District (including one year as Board chair), I have gained valuable knowledge regarding the operation of a special district, the problems faced by special districts and financing issues of special districts.

Community activities

Sweetwater Springs Water District, Board member and chair, 2011 to present

Friends of Villa Grande, Board member and President, 2005 to present

Creekside Wastewater Authority, Board member, 2015 to present

California Onsite Wastewater Association, Board member, 2003-04

Sonoma County Administrative Management Council, Board member, 1996 to 2004

Russian River Historical Society, Board member, 1998-99

STATE OF CALIFORNIA
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

**In the Matter of Permits 12947A, 12949, 12950, and 16596
(Applications 12919A, 15736, 15737, 19351)**

Sonoma County Water Agency

ORDER APPROVING TEMPORARY URGENCY CHANGE

SOURCE: Dry Creek, Russian River, and East Fork Russian River

COUNTIES: Sonoma and Mendocino Counties

BY THE DEPUTY DIRECTOR FOR WATER RIGHTS:

1.0 SUBSTANCE OF TEMPORARY URGENCY CHANGE PETITION

On October 31, 2022, Sonoma County Water Agency (Sonoma Water) filed Temporary Urgency Change Petitions (TUCPs) with the State Water Resources Control Board (State Water Board), Division of Water Rights (Division) requesting approval of changes to the subject permits pursuant to California Water Code section 1435. The TUCPs request implementation of an alternative hydrologic index based on Lake Mendocino storage values starting December 14, 2022 (proposed hydrologic index). The proposed hydrologic index is requested in lieu of the hydrologic index contained in the subject permits that is based on cumulative Lake Pillsbury inflow (current hydrologic index). The hydrologic index is used to determine the applicable minimum instream flow requirements in Term 20 of Permit 12947A, Term 17 of Permits 12949 and 12950, and Term 13 of Permit 16596. Sonoma Water's proposed hydrologic index, for up to 180 days beginning December 14, 2022, is as follows:

a. Dry water supply conditions will exist when storage in Lake Mendocino is less than:

45,000 acre-feet as of January 1
60,000 acre-feet as of February 1
71,000 acre-feet as of March 1
75,000 acre-feet as of March 16

77,000 acre-feet as of April 1
76,500 acre-feet as of April 16
76,000 acre-feet as of May 1
75,500 acre-feet as of May 16
75,000 acre-feet as of June 1

b. Critical water supply conditions exist when storage in Lake Mendocino is less than:

31,000 acre-feet as of January 1
41,000 acre-feet as of February 1
53,500 acre-feet as of March 1
56,000 acre-feet as of March 16
56,500 acre-feet as of April 1
56,000 acre-feet as of April 16
55,000 acre-feet as of May 1
54,000 acre-feet as of May 16
53,500 acre-feet as of June 1

c. Normal water supply conditions exist in the absence of defined dry or critical water supply conditions.

This temporary change is requested in response to the current extremely dry conditions, severely low storage levels in Lake Mendocino and Lake Sonoma, and the current hydrologic index not aligning with observed hydrologic conditions in the Russian River Watershed. The proposed change is also requested in response to the reported failure of the transformer bank of the Potter Valley Project (PVP) hydroelectric plant in October 2021 that will likely continue to result in a significant reduction in the inter-basin transfers of Eel River water into the Russian River Watershed.

2.0 BACKGROUND

Sonoma Water controls and coordinates water supply releases from Lake Mendocino and Lake Sonoma to implement the minimum instream flow requirements in accordance with its water rights, including permit terms implemented pursuant to Decision 1610, which the State Water Board adopted on April 17, 1986. Decision 1610 specifies minimum instream flow requirements for the Upper Russian River¹, Dry Creek, and the Lower Russian River². These minimum instream flow requirements vary based on water supply conditions specified in Decision 1610 and are contained in Term 20 of Permit

¹ For purposes of this Order, Upper Russian River refers to the mainstem Russian River from its confluence with the East Fork Russian River to its confluence with Dry Creek.

² For purposes of this Order, the Lower Russian River refers to the mainstem Russian River from its confluence with Dry Creek to the Pacific Ocean.

12947A, Term 17 of Permits 12949 and 12950, and Term 13 of Permit 16596. Sonoma Water's operations are also subject to the National Marine Fisheries Service (NMFS) Russian River Biological Opinion issued in 2008.

2.1 Sonoma Water's Water Right Permits

The TUCPs involve the following water right permits held by Sonoma Water:

- Permit 12947A (Application 12919A), which authorizes direct diversion of 92 cubic feet per second (cfs) from the East Fork Russian River and storage of 122,500 acre-feet (AF or af) per year in Lake Mendocino from January 1 through December 31 of each year;
- Permit 12949 (Application 15736), which authorizes direct diversion of 20 cfs from the Russian River from January 1 through December 31 of each year;
- Permit 12950 (Application 15737), which authorizes direct diversion of 60 cfs from the Russian River from April 1 through September 30 of each year; and
- Permit 16596 (Application 19351), which authorizes direct diversion of 180 cfs from the Russian River from January 1 to December 31 of each year and storage of 245,000 AF in Lake Sonoma from October 1 of each year to May 1 of the succeeding year.

Term 20 of Sonoma Water's Permit 12947A states the following:

For the protection of fish and wildlife, and for the maintenance of recreation in the Russian River, permittee shall pass through or release from storage at Lake Mendocino sufficient water to maintain:

- A. *A continuous streamflow in the [East Fork Russian River] from Coyote Dam to its confluence with the Russian River of 25 cfs at all times.*
- B. *The following minimum flows in the Russian River between the [East Fork Russian River] and Dry Creek:*
 1. *During normal water supply conditions when the combined water in storage, including dead storage, in Lake Pillsbury and Lake Mendocino on May 31 of any year exceeds 150,000 af or 90 percent of the estimated water supply storage capacity of the reservoirs, whichever is less:*

| | |
|--|----------------|
| <i>From June 1 through August 31</i> | <i>185 cfs</i> |
| <i>From September 1 through March 31</i> | <i>150 cfs</i> |
| <i>From April 1 through May 31</i> | <i>185 cfs</i> |

2. *During normal water supply conditions and when the combined water in storage, including dead storage, in Lake Pillsbury and Lake Mendocino on May 31 of any year is between 150,000 af or 90 percent of the estimated water supply storage capacity of the reservoirs, whichever is less, and 130,000 af or 80 percent of the estimated water supply storage capacity of the reservoirs, whichever is less:*

| | |
|-------------------------------------|----------------|
| <i>From June 1 through March 31</i> | <i>150 cfs</i> |
| <i>From April 1 through May 31</i> | <i>185 cfs</i> |

| | |
|---|---------------|
| <i>If from October 1 through December 31, storage in Lake Mendocino is less than 30,000 acre-feet</i> | <i>75 cfs</i> |
|---|---------------|

3. *During normal water supply conditions and when the combined water in storage, including dead storage, in Lake Pillsbury and Lake Mendocino on May 31 of any year is less than 130,000 af or 80 percent of the estimated water supply storage capacity of [the] reservoirs, whichever is less:*

| | |
|--|----------------|
| <i>From June 1 through December 31</i> | <i>75 cfs</i> |
| <i>From January 1 through March 31</i> | <i>150 cfs</i> |
| <i>From April 1 through May 31</i> | <i>185 cfs</i> |

4. *During dry water supply conditions* 75 cfs
5. *During critical water supply conditions* 25 cfs

- C. *The following minimum flows in the Russian River between its confluence with Dry Creek and the Pacific Ocean to the extent that such flows cannot be met by releases from storage at Lake Sonoma under Permit 16596 issued on Application 19351:*

1. *During normal water supply conditions* 125 cfs
2. *During dry water supply conditions* 85 cfs
3. *During critical water supply conditions* 35 cfs

Term 13 of Permit 16596 states the following:

For the protection of fish and wildlife in Dry Creek and the Russian River and for the maintenance of recreation in the Russian River, permittee shall pass through or release from storage at Lake Sonoma sufficient water to maintain:

A) *The following minimum flows in Dry Creek between Warm Springs Dam and its confluence with the Russian River:*

1) *During normal water supply conditions:*

*75 cfs from January 1 through April 30
80 cfs from May 1 through October 31
105 cfs from November 1 through December 30*

2) *During dry or critical water supply conditions:*

*25 cfs from April 1 through October 31
75 cfs from November 1 through March 31*

B) *The following minimum flows in the Russian River between its confluence with Dry Creek and the Pacific Ocean, unless the water level in Lake Sonoma is below elevation 292.0 feet with reference to the National Geodetic Vertical Datum of 1929, or unless prohibited by the United States Government:*

1) *During normal water supply conditions - 125 cfs*

2) *During dry water supply conditions - 85 cfs*

3) *During critical water supply conditions - 35 [cfs]*

Term 17 of Permit 12949 and Term 17 of Permit 12950 both state the following:

For the protection of fish and wildlife, and the maintenance of recreation in the Russian River, permittee shall allow sufficient water to bypass the points of diversion to maintain the following minimum flows to the Pacific Ocean:

(1) During normal water supply conditions: 125 cfs. . .

(2) During dry water supply conditions: 85 cfs

(3) During critical water supply conditions: 35 cfs

Water supply conditions established for the above flow requirements as required in Decision 1610 are defined in Term 20 of Permit 12947A, Term 17 of Permits 12949 and 12950, and Term 13 of Permit 16596 as follows:

1. *Dry water supply conditions exist when cumulative inflow to Lake Pillsbury beginning on October 1 of each year is less than:*

8,000 acre-feet as of January 1

*39,200 acre-feet as of February 1
65,700 acre-feet as of March 1
114,500 acre-feet as of April 1
145,600 acre-feet as of May 1
160,000 acre-feet as of June 1*

2. *Critical water supply conditions exist when cumulative inflow to Lake Pillsbury beginning on October 1 of each year is less than:

4,000 acre-feet as of January 1
20,000 acre-feet as of February 1
45,000 acre-feet as of March 1
50,000 acre-feet as of April 1
70,000 acre-feet as of May 1
75,000 acre-feet as of June 1*
3. *Normal water supply conditions exist in the absence of defined dry or critical water supply conditions. . .*
4. *The water supply condition designation for the months of July through December [shall] be the same as the designation for the previous June. Water supply conditions for January through June [shall] be redetermined monthly.*
5. *Cumulative inflow to Lake Pillsbury is the calculated algebraic sum of releases from Lake Pillsbury, increases in storage in Lake Pillsbury, and evaporation from Lake Pillsbury.*

Term 20 of Permit 12947A includes an additional provision:

6. *Estimated water supply storage space is the calculated reservoir volume below elevation 1,828.3 feet . . . in Lake Pillsbury and below elevation 749.0 [feet] in Lake Mendocino. Both elevations refer to the National Geodetic Vertical Datum . . . of 1929. The calculation shall use the most recent two reservoir volume surveys made by the U.S. Geological Survey (USGS), U.S. Army Corps of Engineers, or other responsible agency to determine the rate of sedimentation to be assumed from the date of the most recent reservoir volume survey.*

2.2 Current Drought Conditions and Response

The Russian River Watershed has experienced extremely dry conditions since 2020, with Water Year 2021 being the second driest year in the Ukiah Valley, and Water Year 2020 being the fourth driest, during the period of record. Lake Mendocino and Lake Sonoma are at or near their lowest levels since they began storing water in 1959

and 1984, respectively. As of November 24, 2022, the water supply storage level was 37,067 AF in Lake Mendocino, the twelfth lowest storage level for this time of the year since Lake Mendocino was filled in 1959. Similarly, the water supply storage level was 98,764 AF in Lake Sonoma on November 24, 2022, which is the lowest storage level for this time of the year since Lake Sonoma was filled in 1986.

In addition to the extremely dry conditions in the past two years, the Russian River Watershed is expecting significantly less transfer water from the Eel River due to the PVP powerhouse failure. On October 7, 2021, Pacific Gas & Electric (PG&E) informed Sonoma Water that the transformer bank at the PVP powerhouse had failed and would need to be replaced to operate the powerhouse for power generation. Currently, the PVP is operating under a Federal Energy Regulatory Commission (FERC) order that approved a temporary variance on the license flow requirements on July 27, 2022. The order effectively reduced the minimum instream releases into the East Fork of the Russian River from 75 cfs to 5 cfs. PG&E's current transfer obligation under the FERC variance and a water supply contract with the Potter Valley Irrigation District (PVID) from now until April 14, 2023, is 10 cfs. The variance is expected to be terminated after Lake Pillsbury storage reaches 36,000 acre-feet. Upon termination, PG&E's transfer obligations will total 45 cfs until April 14, 2023. On April 15, 2023, the transfer requirement to the East Fork of the Russian River will be reassessed under the FERC license based on water supply conditions. PG&E has indicated that without the ability to generate hydropower, PG&E will not likely make discretionary transfers through the PVP above its FERC license and contract obligations. Ordinarily, discretionary transfers to generate hydropower can occur up until early April if hydrologic conditions on the Eel River and at Lake Pillsbury are met. Without the discretionary transfer of Eel River water to generate hydropower, the total transfer through the PVP will be reduced by up to 456 acre-feet per day.

The risks of low storage are of particular concern should drought conditions persist into 2023; if the winter of 2022 and early 2023 is similar to last winter, there is significant risk to the quality and availability of stored water for meeting human health and safety and listed and threatened species needs in the summer of 2023. Sonoma Water states that under the current operating conditions of the PVP, the influence of the Eel River water imports on Lake Mendocino water storage and downstream hydrologic conditions in the Russian River will be greatly diminished. Therefore, there will be little to no correlation between cumulative inflow into Lake Pillsbury and the hydrologic conditions in the Russian River Watershed. The TUCPs request that storage thresholds in Lake Mendocino be used directly as the hydrologic index to determine the water supply condition in the Russian River Watershed.

California is experiencing severe to exceptional drought conditions across the state. Water Year 2020-2021 was a second consecutive dry year with record-breaking high temperatures. In response, Governor Gavin Newsom proclaimed a regional drought emergency on April 21, 2021, for the Russian River Watershed in Mendocino and Sonoma counties. The Governor has continued the drought emergency proclamation

for Sonoma and Mendocino counties through further drought proclamations on May 10, July 8, and October 19, 2021. A March 28, 2022 executive order signed by Governor Newsom reiterated past drought proclamations and directed further drought response actions.

On April 20, 2021, Mendocino County declared a local emergency and imminent threat of disaster in Mendocino County due to drought conditions. On April 27, 2021, Sonoma County also adopted a resolution proclaiming a local drought emergency due to drought conditions in Sonoma County. On June 15, 2021, the State Water Board adopted an emergency regulation for the Curtailment of Diversions to Protect Water Supplies and Threatened and Endangered Fish in the Russian River Watershed (Cal. Code Regs., tit. 23, §§ 877-879.2). Consequently, on August 2, 2021, the State Water Board issued curtailment orders to Upper Russian River Watershed diverters. On August 10, 2021, the State Water Board issued curtailment orders to Lower Russian River Watershed diverters. Since then, the curtailment status of diverters' water rights and claims have been updated periodically based on changing hydrologic conditions. Currently, there are no curtailments or riparian shortages through December 31, 2022 due to forecasted precipitation in the watershed. Curtailments may resume in January 2023 unless additional precipitation beyond what is currently forecasted occurs.

Sonoma Water has filed five previous sets of TUCPs beginning in June 2020 to address the current drought. On July 28, 2020, the State Water Board approved Sonoma Water's TUCPs to temporarily reduce the minimum instream flow requirements in the Russian River. After the 2020 TUCP order expired on December 27, 2020, Sonoma Water filed another TUCP for Permit 12947A in January 2021 to request an alternative hydrologic index be used for the Upper Russian River. The State Water Board issued an order approving the TUCP on February 4, 2021, and approved clarifying amendments to the order on February 11, 2021. Sonoma Water filed the third set of TUCPs in May 2021 to address the critical drought conditions in the whole Russian River Watershed. The TUCPs were approved on June 14, 2021, and amended on October 22, 2021. A November 2021 TUCP request, approved on December 10, 2021, temporarily changed the hydrologic index. A May 26, 2022 TUCP request, approved on June 17, 2022, and later amended on October 11, 2022, approved a temporary change in minimum instream flows.

Decision 1610 established the current hydrologic index, in which water supply conditions are classified as "*Normal*," "*Dry*," or "*Critical*" based on cumulative inflow into Lake Pillsbury (in the adjacent Eel River Watershed) beginning October 1 of each year. The cumulative inflow into Lake Pillsbury through from October 2021 through June 1, 2022 was 228,109 AF, with the combined storage in Lake Mendocino and Lake Pillsbury being 106,803 acre-feet. Consequently, the water supply conditions from June 1, 2022 through remainder of the year is *Normal Dry Spring II*. Sonoma Water is currently managing the Russian River instream flows based on a *Critical* water supply condition as authorized by the June 2022 TUCP order. The State Water Board's June 2022 TUCP order expires after December 13, 2022, at which point, under the

current hydrologic index, the water supply condition would change back to *Normal Dry Spring II* for the remainder of the calendar year. The corresponding minimum instream flow requirements would become 75 cfs in Dry Creek and the Upper Russian River and 125 cfs in the Lower Russian River.

Pursuant to the current hydrologic index under Decision 1610, the water supply condition would be categorized as *Normal* for at least from January 1 through February 1, 2023 due to a cumulative inflow of 11,186 AF into Lake Pillsbury as of December 13, 2022. The corresponding minimum instream flow requirements would become 150 cfs on the Upper Russian River, 75 cfs on Dry Creek and 125 cfs on the Lower Russian River. Without an additional temporary urgency change order approving the requested changes, Sonoma Water would be required to potentially increase releases from Lake Mendocino and Lake Sonoma, despite their current low storage levels.

The water supply conditions designated by the current hydrologic index were premised on the PVP's substantial transfers of water from the Eel River to the East Fork Russian River (see, e.g., Decision 1610, p. 5) and do not accurately reflect the present severe drought conditions in the Upper Russian River despite Lake Pillsbury cumulative inflows. Sonoma Water's proposed temporary urgency change would use Lake Mendocino storage, rather than cumulative inflow into Lake Pillsbury, as the basis for defining the applicable hydrologic condition. This proposed temporary urgency change would implement minimum instream flow requirements under Decision 1610 that would adjust to changes in the Upper Russian River Watershed hydrologic conditions. Streamflow requirements would increase if additional seasonal rainfall results in Lake Mendocino storage increasing or remaining above the volumes specified in the proposed hydrologic index.

3.0 COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT

Ordinarily, the State Water Board must comply with applicable requirements of the California Environmental Quality Act (Pub. Resources Code, § 21000 et seq.) (CEQA) prior to issuance of any order approving a TUCP. (Cal. Code Regs., tit. 23, § 805.) However, the Governor's April 21, 2021 Drought Emergency Proclamation, ordering paragraph 7, suspended CEQA and regulations adopted pursuant to CEQA in Mendocino and Sonoma Counties to the extent necessary for the State Water Board to address drought-related impacts through "[m]odifying requirements for reservoir releases or diversion limitations" in the Russian River Watershed "to ensure adequate, minimal water supplies for critical purposes." Sonoma Water's requests to temporarily modify the hydrologic index in its water rights permits—and thereby temporarily modify reservoir release and instream flow requirements in the Russian River—due to historically dry conditions qualify for this suspension under the Governor's April 21, 2021 Drought Emergency Proclamation. In conjunction with approving this

Order, the State Water Board will add the activities approved under this Order to its list of suspended projects on its website.

In addition to the Governor's suspension of CEQA covering the activities proposed and approved under this Order, Sonoma Water determined that the requested water right changes are categorically exempt under CEQA's emergency statutory exemption and Class 7 and 8 categorical exemptions. Sonoma Water filed a Notice of Exemption on October 27, 2022. The State Water Board has reviewed the information submitted by Sonoma Water and has made its own independent finding that the requested changes are statutorily and categorically exempt from CEQA. The changes sought by the TUCPs are consistent with the following statutory and categorical CEQA exemptions for the following reasons:

- 1) As mentioned above, on April 21, 2021, the Governor proclaimed a drought emergency in Mendocino and Sonoma counties due to drought conditions in the Russian River Watershed. The Governor's Drought Emergency Proclamation ordered the State Water Board to consider specific actions to "ensure adequate, minimal water supplies for critical purposes." Information provided by Sonoma Water demonstrates that continued releases of water to maintain minimum instream flows required by Sonoma Water's current water right permit terms could contribute to storage levels in Lake Mendocino and Lake Sonoma declining to unsafe levels. As discussed in this Order, if storage in Lake Mendocino and Lake Sonoma are depleted, there will be serious water supply impacts to human health and safety, and water will not be available to protect aquatic life, including threatened and endangered species in the Russian River. Approval of the TUCPs is therefore necessary to prevent and mitigate loss of, or damage to, the environment, fishery resources, property, public health and safety, and essential public services. Accordingly, the project is statutorily exempt from CEQA because it is necessary to prevent or mitigate an emergency—in this case, a proclaimed drought emergency—that poses a clear and imminent danger. (Pub. Resources Code, §§ 21060.3 & 21080, subd. (b)(4); Cal. Code Regs., tit. 14, § 15269, subd. (c).)
- 2) A Class 7 categorical exemption "consists of actions taken by regulatory agencies as authorized by state law or local ordinance to assure the maintenance, restoration, or enhancement of a natural resource where the regulatory process involves procedures for protection of the environment." (Cal. Code Regs., tit. 14, § 15307.) The proposed action is necessary for maintenance of viable operations to support municipal use and protect listed salmonid species in the Russian River by preventing Lake Mendocino from declining to a storage level at which the reservoir may no longer be operational in light of the extremely dry condition the region has been experiencing. Accordingly, these changes are categorically exempt from CEQA pursuant to a Class 7 exemption.

- 3) A Class 8 categorical exemption “consists of actions taken by regulatory agencies, as authorized by state or local ordinance, to assure the maintenance, restoration, enhancement, or protection of the environment where the regulatory process involves procedures for protection of the environment.” (*Id.*, § 15308.) The proposed action will assure the maintenance of the environment (i.e., the instream environment of the Russian River) in the same way as stated for the Class 7 categorical exemption, and the proposed temporary changes are also therefore categorically exempt under Class 8.

4.0 PROCEDURAL REQUIREMENTS CONCERNING THE TEMPORARY URGENCY CHANGE PETITION

On November 10, 2022, the State Water Board issued and delivered to Sonoma Water a notice of the temporary urgency change order pursuant to Water Code section 1438, subdivision (a). Pursuant to Water Code section 1438, subdivision (b)(1), Sonoma Water is required to publish the notice in a newspaper having a general circulation, and that is published within the counties where the points of diversion lie within 20 days from the date of issuance of the notice by the State Water Board. Sonoma Water published the notice in *Ukiah Daily Journal* and *The Press Democrat* on November 23, 2022, and November 20, 2022, respectively. In addition, the State Water Board posted the notice of the temporary urgency change order on its website and distributed the notice through its electronic notification system.

Any interested person may file an objection to a temporary urgency change. (*Id.*, subd. (d).) The State Water Board must promptly consider the objection and may hold a hearing on any objection. (*Id.*, subd. (e).) The State Water Board exercises continuing supervision over temporary urgency change orders and may modify or revoke temporary urgency change orders at any time. (Wat. Code, §§ 1439, 1440.) Temporary urgency change orders automatically expire 180 days after issuance, unless they are revoked, an earlier expiration date is specified, or they are renewed. (*Id.*, §§ 1440, 1441.)

Objections to Sonoma Water’s TUCPs were due by November 28, 2022. The State Water Board received three letters in support of the TUCPs from 1) Mendocino County Russian River Flood Control and Water Conservation Improvement District (Mendocino County RRFC), 2) NMFS, and 3) the California Department of Fish and Wildlife (CDFW).

NMFS and CDFW urged the State Water Board to conditionally approve Sonoma Water’s TUCPs as early as possible to preserve water stored in Lake Mendocino and Lake Sonoma to meet the needs of federal and state listed salmonids in the Russian River. NMFS and CDFW also proposed terms and conditions when water supply conditions are classified as *Dry* or *Critical* that would require Sonoma Water to: 1) conduct continuous water quality and fisheries monitoring in the Russian River;

2) adhere to ramping requirements for reservoir release rates; 3) conduct ongoing consultation with NMFS, CDFW, and the North Coast Water Board; and 4) conduct ongoing reporting of monitoring measurements to assist NMFS, CDFW, the North Coast Water Board, and the State Water Board in overseeing the effects of the TUCPs on conditions in the Russian River and determining if additional actions are required. The State Water Board has considered and incorporated the terms and conditions from the support letters of NMFS and CDFW into Conditions 2-6 of this Order.

The State Water Board received two comments on Sonoma Water's TUCPs from Mr. Richard Morat and Russian River Keeper (RRK).

Mr. Morat states that reservoirs are operated at too low of storage levels and dry conditions exhaust remaining storage at the expense of aquatic habitat. Mr. Morat asserts that PG&E should be more willing to provide discretionary flows into the Russian River to alleviate the need to reduce flows and impact instream uses.

RRK stated that it supports "the need for temporary modification of flows within the Russian River so that water storage supplies are protected." RRK recommended the State Water Board take additional actions to manage water diversion and use within the Russian River Watershed, including the recommendation for stricter (25-40 percent) water use reductions and increased enforcement of required water reductions and curtailments. RRK also recommended various measures for intra-watershed management such as the requirement for water users to report daily projections of water use to aid in real-time flow management, as well as use of the Voluntary Sharing Agreement to more accurately determine end-of-season values.

RRK also expressed support for long-term changes to the hydrologic index in Decision 1610 to more accurately reflect hydrologic conditions in the Russian River watershed. RRK requested that the State Water Board add requirements to ensure Sonoma Water continues to diligently pursue its obligations under its pending change petition to modify the hydrologic index and minimum instream flows under its Russian River water rights. RRK requested further that the 5-day running average flow requirement used in the minimum instream flow permit terms be modified to allow no less than 5 cfs below the required minimum flow.

5.0 CRITERIA FOR APPROVING THE PROPOSED TEMPORARY URGENCY CHANGE

Water Code section 1435 provides that a right holder who has an urgent need to change the point of diversion, place of use, or purpose of use from that specified in the water right may petition for a conditional temporary change order. The State Water Board's regulations set forth the filing and other procedural requirements applicable to TUCPs. (Cal. Code Regs., tit. 23, §§ 805, 806.) The State Water Board's regulations also clarify that requests for changes to permits or licenses other than changes in point

of diversion, place of use, or purpose of use may be filed, subject to the same filing and procedural requirements that apply to changes in point of diversion, place of use, or purpose of use. (*Id.*, § 791, subd. (e).)

Before approving a TUCP, the State Water Board must make the following findings: (1) the right holder has an urgent need to make the proposed change; (2) the proposed change may be made without injury to any other lawful user of water; (3) the proposed change may be made without unreasonable effect upon fish, wildlife, or other instream beneficial uses; and (4) the proposed change is in the public interest. (Wat. Code, § 1435, subd. (b)(1-4).)

A temporary change order does not result in the creation of a vested right, even of a temporary nature, but shall be subject at all times to modification or revocation in the discretion of the State Water Board. (Wat. Code, § 1440.)

5.1 Urgency of the Proposed Change

Under Water Code section 1435, subdivision (c), an “urgent need” means “the existence of circumstances from which the [State Water Board] may in its judgment conclude that the proposed temporary change is necessary to further the constitutional policy that the water resources of the state be put to beneficial use to the fullest extent of which they are capable and that waste of water be prevented..... ”

In this case, an urgent need exists for the proposed change in the hydrologic index for determining minimum instream flow requirements in the Russian River. The hydrologic index in Decision 1610 is based on cumulative inflow to Lake Pillsbury, however given the reduction in water transfers from the Eel River system, there will be little to no correlation between cumulative inflow into Lake Pillsbury and the hydrologic conditions in the Russian River watershed. As described in the TUCPs, cumulative inflow into Lake Pillsbury does not reflect hydrologic or water supply conditions in the Russian River Watershed; storage levels in Lake Mendocino and Lake Sonoma are currently at or near the lowest levels for this time of the year since they were filled, but the current hydrologic index per Decision 1610 indicates conditions are *Normal Dry Spring II* for the remainder of this year and *Normal* starting in January 2023. Furthermore, the Russian River Watershed is experiencing significant reductions of Eel River transfers through the PVP due to inoperability of the powerhouse for the foreseeable future. The current hydrologic index under Decision 1610, which is based on cumulative inflow into Lake Pillsbury, is not applicable to water supply conditions in the Russian River due to the changes in PVP operations. Pursuant to the State Water Board’s June 17, 2022 approval of a TUCP, the instream flow requirements for the Upper Russian River were temporarily reduced to 25 cfs, consistent with Decision 1610 requirements for *Critical* water supply conditions. That temporary urgency change expires after December 13, 2022. With this Order, the year type for the remainder of 2022 would remain *Critical* based on the modified hydrologic index and would be reassessed on January 1, 2023.

Without the proposed change, Decision 1610's applicable minimum instream flow requirements may require releases of water from Lake Mendocino and Lake Sonoma at levels that would contribute to significant depletions of reservoir storage and potential elimination of water supplies for water users in Mendocino, Sonoma, and Marin Counties if the current drought continues into 2023. Such depletion or possible elimination of stored water supplies would risk serious impacts to human health and safety and fishery protection. Extremely low storage levels may result in loss of the cold-water pool in Lake Mendocino that is needed to support listed Russian River salmonid fishery species in the fall, and may cause increased total dissolved solid or mercury concentrations if lake-bottom sediments become displaced due to reservoir operation at low storage levels.

Water Code section 1435, subdivision (c) also states that the State Water Board shall not find a petitioner's need to be urgent if it concludes that the petitioner has not exercised due diligence either in petitioning for a change pursuant to provisions other than a TUCP or in pursuing that petition for change. As noted in the State Water Board's February 2021 order approving Sonoma Water's TUCP for Permit 12947A, a number of factors have hindered progress on Sonoma Water's long-term change petitions to modify Decision 1610 and Permits 12947A, 12949, 12950, and 16596. As required as a condition of the February 2021 order, Sonoma Water has provided a schedule of milestones and completion dates for further actions necessary to pursue its long-term change petitions. Since submittal of that schedule, progress has been hindered by two additional significant issues: 1) the severity of the ongoing drought since February 2021 and 2) the ongoing uncertainty regarding the future of transfers of water from the Eel River watershed through the PVP. Sonoma Water has been meeting with the State Water Board staff regularly to discuss progress on its long-term petitions while it continues to work on the Fish Habitat Flows and Water Rights Project Draft EIR. However, Sonoma Water has stated that the long-term petitions and draft EIR have been delayed due to the dire ongoing drought and changes in the PVP. Until the nature and duration of the surrender and decommissioning process proposed by PG&E and approved by FERC is known, progress on the long-term petitions and the related supporting environmental analyses will be hindered. In light of these circumstances and representations, the State Water Board finds that Sonoma Water has exercised due diligence. Sonoma Water must continue to diligently pursue its long-term petitions, but there is also an urgent need now, during the current critical water conditions and ongoing drought emergency, to grant Sonoma Water's TUCPs.

5.2 No Injury to Any Other Lawful User of Water

Under Decision 1610 and the terms and conditions of its associated water rights permits, Sonoma Water is required to maintain specified flows in the Russian River from Lake Mendocino to the Russian River's confluence with the Pacific Ocean and in Dry Creek from Warm Springs Dam to the confluence with the Russian River. This Order retains these existing minimum instream flow requirements but temporarily changes the

circumstances under which “Normal,” “Dry,” or “Critical” water supply conditions will apply. Minimum instream flows will continue to be maintained under this Order consistent with hydrologic conditions within the Russian River Watershed. It is anticipated that all other lawful users of water will be able to divert and use the amounts of water to which they are legally entitled during the period specified in this Order. Other legal users of water will not be injured by reduction in releases of previously stored water because water released from storage is not available for diversion by downstream users with an independent basis of right. (See, e.g., *North Kern Water Storage Dist. v. Kern Delta Water Dist.* (2007) 147 Cal.App.4th 555, 570 [when the stored water is released for use, it is not part of the river’s natural flow and redirection of this water does not count toward the appropriator’s current allocation of river water]; *State Water Resources Control Bd. Cases* (2006) 136 Cal.App.4th 674, 737-745 [a riparian or appropriator has no legally protected interest in other appropriators’ stored water or in the continuation of releases of stored water].)

In conjunction with other actions in response to the current drought state of emergency within the Russian River Watershed, the State Water Board will supervise diversion and use of water under this Order for the protection of all other lawful users of water pursuant to Water Code section 1439.

5.3 No Unreasonable Effect upon Fish, Wildlife, or Other Instream Beneficial Uses

Prior to approval of a TUCP, the State Water Board must find that the proposed change may be made without unreasonable effect upon fish, wildlife, or other instream beneficial uses. In addition, the State Water Board has an independent obligation to consider the effect of approval of Sonoma Water’s petitions on public trust resources and to protect those resources to the extent feasible and in the public interest. (*National Audubon Society v. Superior Court* (1983) 33 Cal.3d 419.) Public trust resources may include, but are not limited to, wildlife, fish, aquatic habitat, and recreation in navigable waterways, as well as fisheries located in non-navigable waterways. It is also the policy of this state that all state agencies, boards, and commissions shall seek to conserve endangered species and threatened species and shall use their authority in furtherance of the purposes of the California Endangered Species Act (Fish & G. Code, § 2050 et seq.). State agencies should not approve projects that would jeopardize the continued existence of any endangered species or threatened species if there are reasonable and prudent alternatives available consistent with conserving the species or its habitat that would prevent jeopardy. (Fish & G. Code, §§ 2053 & 2055.)

Although relying on Lake Mendocino storage thresholds to define the water supply conditions may result in lower instream flows in the Russian River than would ordinarily be required under Sonoma Water’s permits, maintenance of stored water in Lake Mendocino and Lake Sonoma for subsequent release is crucial for ensuring sufficient water supplies for human health and safety use and maintaining habitat for threatened and endangered fish species during the critical life stages that occur during

the fall and spring. With the conditions imposed by this Order, including ongoing efforts to support water conservation and regular monitoring and reporting of conditions by Sonoma Water, the State Water Board finds that granting the proposed temporary changes will not have an unreasonable effect on fish, wildlife, or other instream beneficial uses and public trust resources will be protected to the extent feasible and in the public interest. The State Water Board will continue to evaluate conditions in the watershed throughout the duration of this Order and consider other actions that may further the protection of fish, wildlife, and other instream beneficial uses.

5.3.1 Consultation with Other Agencies

Sonoma Water has consulted with CDFW, NMFS, and North Coast Regional Water Quality Control Board (North Coast Water Board) regarding the TUCPs and the effects of the proposed changes.

NMFS submitted a letter on November 23, 2022 in support of Sonoma Water's TUCPs to ensure that the water supply condition and corresponding minimum instream flow requirements in the Russian River Watershed are aligned with actual watershed hydrologic conditions. NMFS's 2008 Biological Opinion addresses the need for modifying minimum instream flow requirements to: 1) protect salmonid species listed under the federal Endangered Species Act, including threatened California Coastal (CC) Chinook salmon (*Onchorynchus [O.] tshawytscha*), endangered Central California Coast (CCC) coho salmon (*O. kisutch*), and threatened CCC steelhead trout (*O. mykiss*), residing in the Russian River; and 2) address water supply conditions at Lake Mendocino and Lake Sonoma to maintain viable operations that support municipal water distribution. The November 23, 2022 letter indicates that the proposed TUCPs meet both objectives towards preventing Lake Mendocino from declining to a storage level at which the reservoir may no longer be operational. NMFS has requested additional terms and conditions be included to any order issued by the State Water Board to provide water needed to protect listed salmonids in the Russian River. NMFS's requested terms and conditions in the November 23, 2022 letter are included in this Order to prevent unreasonable effects on fish and wildlife in the near term while preserving water needed for protecting salmonid species in the Russian River in the longer term.

CDFW also submitted a letter on November 22, 2022 in support of Sonoma Water's TUCPs. The letter of support encouraged immediate implementation of the TUCP and proposed terms and conditions similar to those proposed by NMFS.

This Order requires Sonoma Water to consult biweekly with CDFW, NMFS, and the North Coast Water Board regarding the current hydrologic and water quality conditions for the Russian River when water supply conditions are classified as *Dry* or *Critical*. This information will assist the State Water Board in determining whether additional actions or modifications to this Order are necessary.

5.3.2 Conservation

Sonoma Water is actively engaged in water conservation to reduce demands on water stored in Lake Mendocino and Lake Sonoma for municipal supply. Sonoma Water and its water contractors have implemented water use efficiency programs to comply with the California Water Conservation Act since the establishment of the Sonoma-Marín Water Saving Partnership (Partnership) in 2010. The Partnership represents twelve North Bay water utilities in Sonoma and Marin counties that have joined to provide a regional solution for water use efficiency.

As stated in the TUCPs, Sonoma Water, its water contractors, and other members of the Partnership have continued implementing an aggressive water saving outreach campaign since winter 2020. Sonoma Water, its contractors, and the other member agencies of the Partnership continue to run a multimedia drought outreach campaign to maintain customer awareness of low reservoir levels and the need for continued water savings due to a third consecutive dry year. The campaign emphasizes reducing water waste by adhering to statewide water waste prohibitions and local restrictions on irrigation and other non-essential uses of water. The June 17, 2022 Order approving Sonoma Water's TUCP required a 20 percent reduction in total diversions as compared to 2020 for the period of July 1, 2022 through October 31, 2022. During that period, Sonoma Water achieved a diversion reduction of over 30 percent as compared to the same time period in 2020.

In addition, on May 24, 2022, the State Water Board adopted a new emergency regulation for urban water conservation. The regulation required urban water suppliers to submit preliminary supply and demand assessments to the Department of Water Resources by June 10, 2022. Urban water suppliers also were required to implement all conservation actions in their locally adopted plans meant to address at least a water shortage level of 10 to 20 percent (Level 2) by June 10, 2022, and owners and managers of commercial, industrial, and institutional properties were prohibited from using potable water for irrigating non-functional turf. The regulation will remain in effect for one year unless the State Water Board determines that it is no longer necessary due to changed conditions or unless the State Water Board renews the regulation due to continued drought conditions.

With the conditions imposed by this Order, including ongoing efforts to support water conservation and regular monitoring and reporting by Sonoma Water, the State Water Board finds that granting the proposed temporary changes will not have an unreasonable effect on fish, wildlife, or other instream beneficial uses and protects public trust resources to the extent feasible and in the public interest. The State Water Board will continue to evaluate conditions in the watershed throughout the duration of this Order and consider other actions that may further the protection of fish, wildlife, and other instream beneficial uses. The State Water Board will continue to evaluate whether additional conservation measures are necessary to respond to dry conditions in the Russian River Watershed and/or low storage in Lake Mendocino and Lake Sonoma.

5.4 The Proposed Change is in the Public Interest

Approval of the TUCPs to temporarily change the hydrologic index will help conserve stored water in Lake Mendocino and Lake Sonoma to meet human health and safety needs, and to protect endangered and threatened species in the Russian River. Without the proposed changes, the resulting depletion of stored water in Lake Mendocino and Lake Sonoma to unsafe levels will put residents in the counties of Mendocino, Sonoma, and Marin at risk should dry conditions persist into 2023. It is in the public interest to preserve water supplies for these beneficial uses given the extreme hydrologic circumstances and reduced water supplies.

Should the conditions that support the approval of this Order change, whether in alterations to water supply or identification of additional impacts to aquatic habitat, water quality, or other matters within the public interest, the State Water Board has the authority to revoke this Order or modify its terms and conditions as necessary to promote the interests of the public.

6.0 CONCLUSIONS

The State Water Board has adequate information in its files to make the evaluation required by Water Code section 1435. The findings of this Order are based on unique circumstances created by drought and are independent from any findings to be made in connection with the related change petitions filed by Sonoma Water in 2009 and revised in 2016 pursuant to Chapter 10 of Division 2 of Part 2 of the Water Code.

I conclude that, based on the available evidence:

1. The right holder, Sonoma Water, has an urgent need to make the proposed changes;
2. The proposed changes will not operate to the injury of any other lawful user of water;
3. The proposed changes will not have an unreasonable effect upon fish, wildlife, or other instream beneficial uses; and
4. The proposed changes are in the public interest.

ORDER

NOW, THEREFORE, IT IS ORDERED THAT: the petitions filed by Sonoma Water for a temporary urgency change in Permits 12947A, 12949, 12950, and 16596 are approved and effective from December 14, 2022, through a period of 180 days.

All existing terms and conditions of the subject permits remain in effect, except as temporarily amended by the following terms:

1. The minimum instream flow requirements for the Upper Russian River, the Lower Russian River, and Dry Creek will be established using a hydrologic index based on water storage in Lake Mendocino. For the purposes of the requirements in Term 20 of Permit 12947A, Term 17 of Permit 12949, Term 17 of Permit 12950, and Term 13 of Permit 16596, the following definitions shall apply:

- a. Dry water supply conditions exist when storage in Lake Mendocino is less than:

45,000 acre-feet as of January 1
60,000 acre-feet as of February 1
71,000 acre-feet as of March 1
75,000 acre-feet as of March 16
77,000 acre-feet as of April 1
76,500 acre-feet as of April 16
76,000 acre-feet as of May 1
75,500 acre-feet as of May 16
75,000 acre-feet as of June 1

- b. Critical water supply conditions exist when storage in Lake Mendocino is less than:

31,000 acre-feet as of January 1
41,000 acre-feet as of February 1
53,500 acre-feet as of March 1
56,000 acre-feet as of March 16
56,500 acre-feet as of April 1
56,000 acre-feet as of April 16
55,000 acre-feet as of May 1
54,000 acre-feet as of May 16
53,500 acre-feet as of June 1

- c. Normal water supply conditions exist in the absence of defined dry or critical water supply conditions.

2. From December 14, 2022, through April 15, 2023, and as water clarity and safety considerations allow, Sonoma Water shall conduct monitoring to evaluate accessibility to spawning habitat by adult salmonids in the following manner at the following locations:

- a. Upper Russian River Habitat:

If water supply conditions are classified as *Dry* or *Critical* and flow at the USGS Hopland gage (station number 11462500) falls below 100 cubic feet per second (cfs), Sonoma Water shall conduct on a biweekly basis, visual (walking) surveys of riffles in reaches between the confluence of the East Fork Russian River and West Fork Russian River (the Forks) and the confluence of Dry Creek and Russian River in Healdsburg. Proposed reaches include below the Forks, Leaping Lady Rock, Commisky Station Road, downstream of Crocker Road, downstream of Washington School Road, and Alexander Valley. A count of salmonid redds, live adult salmonids, and adult salmonid carcasses shall be documented for each riffle surveyed. In reaches with major tributaries, tributary connectivity to the mainstem shall be assessed with photo documentation and a written description of prevailing conditions as they relate to tributary access by adult salmonids. If tributary stream gage information is available, tributary stage and/or flow at the time of documentation shall also be noted. Proposed tributary confluences include West Fork Russian River, Pieta Creek, Cummiskey Creek, and Big Sulphur Creek.

- b. Lower Russian River Habitat:

If flow at the USGS Hacienda gage (station number 11467000) falls below 125 cfs, Sonoma Water shall conduct on a biweekly basis, visual (walking) surveys of likely holding pools located near riffle sites to document whether adult salmonids are congregating in pools, spawning in the lower river, and general health. Proposed reaches include Monte Rio, Vacation Beach, Hulbert Creek, and Steelhead Beach.

If flow at the USGS Hacienda gage (station number 11467000) falls below 125 cfs, Sonoma Water shall conduct a biweekly basis, walking surveys of riffles to visually evaluate access to spawning habitat by adult salmonids between the Mirabel dam and the upstream end of the Russian River estuary in Duncans Mills. Proposed reaches include Monte Rio, Vacation Beach, Hulbert Creek, and Steelhead Beach. During one of these surveys, if flows are between 50-90 cfs, Sonoma Water shall measure riffle length, width, depth, and document the site with photographs.

c. Dry Creek:

If flow at the USGS Dry Creek near Geyserville (Yoakim Bridge) gage (station number 11462500) falls below 75 cfs, Sonoma Water will conduct biweekly walking surveys of riffles in Dry Creek between Warm Springs Dam and Lambert Bridge. Proposed reaches include upstream of Yoakim Bridge and at Board Bridge. A count of salmonid redds, live adult salmonids, and adult salmonid carcasses will be documented for each riffle surveyed.

3. Ramping

- a. To protect against stranding of fish when releases from Lake Mendocino are reduced to *Dry* or *Critical* levels under this Order, flow in the East Fork Russian River immediately below Coyote Valley Dam shall not be reduced by more than 12 cfs per hour, with a minimum of 4 hours between the end of each flow reduction. Flow reduction shall not exceed 24 cfs per day. The NMFS Santa Rosa Office and CDFW shall be notified by email 48 hours in advance of ramping events that will reach 24 cfs per day. Ramping rates specified in this term may be revised upon consultation with NMFS and CDFW and notification to the Deputy Director of the Division of Water Rights (Deputy Director). Sonoma Water shall submit a summary report of consultation details to the Deputy Director within one week of each consultation meeting.
- b. If flow reductions of 12 cfs per hour or 24 cfs per day are made, Sonoma Water shall conduct an in-stream survey on the East Fork Russian River below the fish ladder to the Coyote Valley Fish Facility downstream to the confluence of the Mainstem Russian River and note any regions of the stream that are disconnected or any areas of isolated pools. Sonoma Water shall provide locations of disconnection and isolated pools to CDFW and NMFS no later than the following business day.

4. Water Operations

- a. To assist hatchery steelhead smolt releases from Coyote Valley Fish Facility, Sonoma Water shall consult with CDFW on the timing and level of temporary and periodic flow increases from Lake Mendocino to be made between March 1 and the expiration of this Order, for the purpose of encouraging hatchery smolt outmigration from the East Fork Russian River and Upper Russian River.
- b. From January 1 through the end of steelhead spawning season in the hatchery, Sonoma Water shall consult with CDFW to determine the appropriate and periodic flow increases from Lake Mendocino and

Lake Sonoma to ensure successful adult returns to both Coyote Valley Fish Facility and Warm Springs Hatchery for production needs.

- c. To ensure that smolts reared in the wild from the juvenile stage are able to exit the watershed, if a rain event has not occurred by April 1, 2023, Sonoma Water will consult with CDFW, NMFS, and the State Water Board to discuss providing a pulse of water to promote outmigration of juvenile salmonids and steelhead from the watershed.

5. Reporting

- a. If water supply conditions are classified as *Dry* or *Critical*, Sonoma Water shall continue to consult with NMFS, CDFW, and the North Coast Water Board on a biweekly basis until July 1, 2023 to discuss fishery and hydrologic condition updates and any concerns relative to water quality and the hydrologic condition of the Russian River. Sonoma Water shall provide materials to be discussed during these meetings, including proposed flow changes and water storage levels, to the resource agencies by 1:00 p.m. of the day prior to the meeting. Sonoma Water shall send notes of those meetings to the resource agencies and State Board within one week after their occurrence. Sonoma Water shall submit a summary report of consultation details to the Deputy Director upon request.
 - b. Sonoma Water shall submit a summary report of fisheries monitoring activities associated with the Order to the resource agencies following the expiration of the Order.
6. Sonoma Water shall continue ongoing monitoring in coordination with the USGS at the existing multi-parameter water quality sonde sites on the Russian River. By April 21, 2023, Sonoma Water shall consult with the North Coast Water Board to discuss possible water quality impacts if *Critical* or *Dry* water supply conditions occur and whether additional water quality monitoring activities should be required to document water quality conditions in the Russian River. If any water quality issues of concern are observed from the continuous monitoring or water sampling required by this Order, Sonoma Water shall initiate earlier or additional consultation with the North Coast Water Board. The North Coast Water Board may also initiate additional consultation to discuss concerns based on available water quality information. Sonoma Water shall submit a summary report of consultation details and a description of proposed monitoring activities to the Deputy Director within one week of each consultation. Any necessary revisions to this Condition may be made following consultation with the North Coast Water Board and approval by the Deputy Director.

7. Based upon the methodology for characterizing Lake Mendocino and Lake Sonoma water inflows, releases, and diversions developed pursuant to Condition 11 of the State Water Board's TUCP order dated February 4, 2021, and Condition 12 of the State Water Board's TUCP order dated June 14, 2021, Sonoma Water shall maintain a spreadsheet of daily average release rates and characterization of those releases. Sonoma Water shall make the spreadsheet available to State Water Board staff within five days of being requested and shall include the spreadsheet as an attachment to Sonoma Water's annual Reports of Permittee for Permits 12947A, 12949, 12950 and 16596. Sonoma Water shall implement any amendments to either methodology requested by the Deputy Director within 15 days of the request.
8. This Order does not authorize any act that results in the taking of a candidate, threatened, or endangered species, or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, § 2050 et seq.) or the federal Endangered Species Act (16 U.S.C. § 1531 et seq.). If a "take" will result from any act authorized under this Order, Sonoma Water shall obtain authorization for an incidental take permit prior to operation of the project. Sonoma Water shall be responsible for meeting all requirements of the applicable Endangered Species Act for the temporary urgency changes authorized under this Order.
9. The State Water Board reserves jurisdiction to supervise the temporary urgency changes under this Order, and to coordinate or modify terms and conditions, for the protection of vested rights, fish, wildlife, instream beneficial uses and the public interest as future conditions may warrant.
10. Sonoma Water shall immediately notify the Deputy Director if any significant change in storage conditions in Lake Mendocino or Lake Sonoma occurs that warrants reconsideration of this Order.
11. Within 30 days of the issuance of this Order, Sonoma Water shall report on the status of implementation of its WSCP and the WSCPs of its contractors and other wholesale customers and the extent to which shortage levels comply with urban conservation regulations.
12. Sonoma Water shall continue to conduct the activities described in Planning and Management Terms of the March 21, 2022 Memorandum of Understanding Concerning Lake Mendocino Storage Planning and Russian River Management (MOU). Projections of Lake Mendocino storage and the extent to which storage will be available for the uses described in items (A) through (D) shall be provided to the Deputy Director for Water Rights by March 1, 2023.

Permits 12947A, 12949, 12950 and 16596
Page 24 of 24

STATE WATER RESOURCES CONTROL BOARD

ORIGINAL SIGNED BY

Erik Ekdahl, Deputy Director
Division of Water Rights

Dated: DEC 14, 2022

2031 TARGET

Housing proposal on track in Novato

2,000-home plan would meet the state
mandate

BY WILL HOUSTON

WHOUSTON@MARINIJ.COM

Novato should be able to meet the state's mandate to permit more than 2,000 new homes by the end of 2031, according to the city's newly released proposed housing plan.

The plan, known as the housing element, is a state-mandated document required of municipalities to show how they plan to meet existing and projected housing needs over an eight-year period. Novato is required to identify 2,090 new homes at varying affordability levels before the end of 2031.

The City Council will hold an initial discussion on the plan Tuesday . Public comments are due by Dec. 18. The plan will then go back before the city Planning Commission and City Council for adoption.

The number of homes required is more than five times the amount in the city's previous eight-year cycle. The increase comes as the state seeks to address a housing shortage and spur local governments to develop more homes after decades of falling short of their development targets.

Fortunately for Novato, projects that have submitted applications and proposals can be counted toward these housing mandates. City consultant David Bergman of Lisa Wise Consulting said enough projects are in the pipeline to account for “more than enough” of the required homes, which he said is “a fantastic place to be in.” One of the largest of these projects is a proposal to redevelop the former Fireman’s Fund Insurance campus into a 1,081-home neighborhood. The 63-acre campus at 777 San Marin Drive is the largest vacant commercial property in Marin County.

To encourage more development, the city is also proposing several strategies, including streamlining the construction of in-law apartments, formally known as accessory dwelling units. The city also aims to work with utility providers to reduce fees for developments such as new water connections, reducing fees for affordable housing projecting and revising the city’s regulations for developments on hillsides.

The housing element documents must be submitted to the state before the end of January. Failure to draft such plans can result in the withholding of state and federal funding.

Speaking to the Planning Commission during an initial review of the plan Monday, Bergman said that the city is not required to build or initiate these housing projects itself.

“The key is the city needs to show that it has the capacity to accommodate its regional fair share of housing at all income levels,” Bergman told the commission.

The North Marin Water District, which supplies water to the greater Novato area, included this housing growth as part of its state-mandated urban water management plan in 2020.

“In addition, the locations of the new housing are at parcels we expected new development to occur so we don’t expect any major issues,” said Tony Williams, the district’s general manager.

The city’s housing element also calls for expanding tenant protections, including expanding just-cause eviction protections to

tenants renting single-family homes; requiring non-binding mediation with the county for rent increases greater than 5%; and assistance for pet-owning tenants.

Novato Community Development Director Vicki Parker said proving compliance with the state’s housing targets can end up being a “math exercise,” in that affordability is calculated based on the density of dwellings in an area. While the current number of housing projects being considered would meet the 2,090-home mandate, there is a shortfall of 19 homes that would fall under the moderate-income category.

To make up for this difference and provide a buffer of more homes in case certain projects fall through, the city is proposing to rezone three sites that could produce a combined total of 127 moderate-income priced homes, Bergman said.

One is a vacant parcel in San Marin at Meadow Crest Road and Wood Hollow Drive originally slated for office developments. Another project is a Novato Unified School District property at 5 San Andreas Drive, where the school district seeks to develop teacher housing. The third parcel is an office building at 1682 Novato Blvd., which Bergman said has very high vacancy.

Other housing projects being considered also may require rezoning, including the Fireman’s Fund campus development.

More information about the Novato Housing Element can be found at novato.org/housingelement.

LAS GALLINAS

Judy Schriebman dies; district board member

BY GIUSEPPE RICAPITO

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Judy Schriebman, an environmentalist and Las Gallinas Valley Sanitary District board member, died on Nov. 20 at her home in San Rafael. She was 67.

“She was really passionate about everything Marin County,” said her husband, Jeff Schriebman, who said she was diagnosed with breast cancer.

“She wanted to preserve it for the future. She walked the walk and talked the talk,” he said. “If there’s anybody that did that, it was Judy. She saw an injustice in the environment and volunteered. There’s very few people that were like that to the degree she was.”

Mrs. Schriebman helped establish the Gallinas Watershed Council in 2004 and in 2013 she helped found the Watershed Alliance of Marin. She was chair of the Marin Group-Sierra Club executive committee and spearheaded Gallinas Creek cleanup events during her tenure.

Her husband said she began her environmental activism in Marin County by taking on the Las Gallinas Valley Sanitary District. Mrs. Schriebman led the effort to resist annexation, though her community voted to join.

“We lost that fight, but from there it kind of grew to things in Marin County, to preserve things,” he said.

Mrs. Schriebman attended St. Raphael’s Elementary School and Marin Catholic High School and graduated with a degree in zoology from the University of California, Berkeley.

She met her husband in 1974 at the Steinhart Aquarium in San Francisco. They bonded, he said, because they both owned pet turtles. They married in 1979 and lived in Tokyo before moving to Marin with their children, David and Robin, in 1990.

Mrs. Schriebman was first elected to the sanitary district board in 2007.

The dedications to Mrs. Schriebman have been widespread in environmental and political circles. Many characterized her as a passionate, tireless worker and a staunch environmental advocate.

“She was a Marin County native and committed environmentalist selflessly working for environmental and social justice and gave more to her community than anyone I have known,” said Laura Chariton, president of the Watershed Alliance of Marin. “She was loved and admired throughout Marin’s environmental community.”

Megan Clark, a Las Gallinas district director since 2002, said Mrs. Schriebman even participated in their meetings over teleconference while on hospice.

“She was extremely committed to doing the job well,” Clark said. “She was enormously active, hardworking and a great leader. She was warm and funny. She’s left a huge huge hole and nobody can replace it.”

Pamela Meigs, a Ross Valley Sanitary District member and a member of the Sierra Club executive committee with Mrs. Schriebman, called her a “brilliant mentor, role model and friend.”

“We walked neighborhoods for campaigns, we brainstormed how to save our planet and most importantly I was witness to her utmost passion to never give up,” Meigs said. “Deep in her work I found Judy to be a joy, her enthusiasm, her humor, her anger about

injustice and her vision to keep on keeping on to save our fragile planet.”

Marin County Supervisor Damon Connolly, who was elected to the state Assembly last month, said she “worked tirelessly for our community, the people, the birds, the bugs, the fish and the plants.”

“I got to know her well, and admired that she made an indelible impact on the civic life and health of our county, the Los Ranchitos neighborhood, the watersheds of Miller and Gallinas Creek, and the lives of so many Marin residents,” he said.

Curtis Paxton said he knew Mrs. Schriebman since August in his first months as general manager of the sanitary district.

“Judy was a very passionate public servant. She will be sorely missed,” he said. “I only knew her for a short time, but I could tell how much she brought to the district and the community.”

In addition to her husband, Mrs. Schriebman is survived by her son David Schriebman, her daughter Robin Schriebman, her sister Jeanne Taylor and her brothers, Dave Webb and Steven Webb, all residents of San Rafael.

The board will fill her vacancy on the board by appointment. Applications can be submitted to the district through Jan. 6.

A celebration of Mrs. Schriebman’s life is planned in spring.

BAY AREA

System brings more rain to region

Parts of Marin County received another inch of rain over the weekend as a line of storms moves through the region.

The 48-hour rain totals ending around 7:30 p.m. Sunday included 1.07 inches on Mount Tamalpais and 0.98 inches in Kentfield, according to the National Weather Service. Other totals included 0.53 inches in Sausalito, 0.47 inches at the county fairgrounds in San Rafael, 0.40 inches in Tiburon and about a quarter-inch in Novato.

The storms that ushered in a chilly, soggy start to December should continue to move across Northern California early this week, offering more chances for rain in the Bay Area and a fresh coat of powder over the Sierra Nevada.

One-third to a half-inch of rain could still fall over lower-lying portions of the Bay Area from Sunday through Tuesday morning — further boosting already healthy rainfall totals over the past several days.

Three-quarters of an inch of rain could fall in that same time span over the coastal mountains, particularly in Sonoma County, said Brayden Murdock, a National Weather Service meteorologist.

To the east, another 1 to 2 feet of snow was expected to fall Sunday and Monday over parts of the Sierra Nevada, prompting travel warnings for the high country and slick, dangerous travel conditions for skiers seeking to take advantage of the wintry weather.

The region needs the moisture. The Bay Area, for example, received only about a quarter of its normal annual rainfall through the end of November, according to National Weather Service records.

It also comes as the Bay Area heads into its critical four-month wet season of December through March, when it receives the vast majority of its annual precipitation. Oakland, San Francisco and San Jose, for example, all receive nearly three-quarters of their rain during those months.

“We’re in a good spot right now to start off the rainy season,” Murdock said. “We’d like to see more of this.”

The rain is owed to a ridge of low pressure that is expected to move across Northern California, bringing more chances for rain and snow over the next couple of days. And while some parts of the Bay Area saw sunny skies on Sunday, others were drenched.

Nearly the entire Bay Area had rain overnight Saturday into early Sunday morning, according to rain gauges maintained by the National Oceanic and Atmospheric Administration.

By Sunday afternoon, the rain appeared concentrated in Sonoma County, and to a lesser extent the South Bay and the Santa Cruz Mountains. Up to a half-inch fell from 8:45 a.m. to 2:45 p.m., rain gauges maintained by the agency showed.

Already, Northern California has been graced with plentiful rainfall over the last several days.

From Wednesday through early Sunday morning, 1 to 2 inches of rain fell over most of the lower-lying parts of the Bay Area, including San Francisco, Oakland and the Santa Clara Valley. Even more rain fell over the Santa Cruz Mountains, which saw 3 to 5 inches of rain over that time.

The highest rainfall totals were centered around Big Sur and the southern end of Monterey County, which saw upward of 10 to 11 inches of rain the past several days. The abundant moisture caused

a rockslide that closed a portion of Highway 1 between Ragged Point and Big Sur.

About 8 to 14 inches of snow fell over the crest of the Sierra Nevada on Saturday, while snow levels dropped to 4,500 to 5,500 feet across much of Northern California, said Hannah Chandler-Cooley, a National Weather Service meteorologist.

At least 1 to 2 feet of additional snow was forecast to fall over the northern portion of the Sierra Nevada on Sunday and Monday — adding to a base of about 2 to 3 feet of snow across much of the area, Chandler-Cooley said.

“We’re still highly discouraging travel through tomorrow,” Chandler-Cooley said.

Despite all of that rain, far more moisture is needed to make any sort of sizable dent in the withering, years-long drought gripping the state.

Almost all of the Bay Area is classified as being in a severe drought, according to the most recent U.S. Drought Monitor report, which was issued Thursday morning. Parts of east Contra Costa County, along with the entire Sacramento River Valley, were in extreme drought.

This year has been particularly punishing. Oakland received only 5.25 of the 17.95 inches of rain it normally gets from January through November, National Weather Service records show. San Jose saw only 2.88 of its typical 11.19 of rain during that time, while San Francisco saw just 4.25 of its usual 18.13 inches of rain.

That — combined with below-average snowpack across the Sierra in recent years — means far more storms are needed for Northern California to emerge from its current drought, Murdock said.

“We’re making great progress on this year so far, but again we’ve been in a deficit for years now,” Murdock said. “As far as really wiping out the lack of rain we’ve had the last few seasons, it’s going to take a lot. It’s an uphill battle.”

NOVATO

Funding bolsters wetland projects

State agency allocates \$2.2M to support sites

BY WILL HOUSTON

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The California State Coastal Conservancy has allotted \$2.2 million to a North Bay research group to take over caretaking responsibilities and volunteer work for one of Marin County's largest wetland restoration sites.

The Point Blue Conservation Science nonprofit research group received the funds to continue the upkeep of nearly 200 acres of the Hamilton wetlands and forthcoming Bel Marin Keys wetlands near Novato for the next two years. Its responsibilities include maintenance, replacing aged or damaged interpretive signs and kiosks, running the native plant nursery, planting, watering, coordinating volunteer groups and leading school field trips.

"We're excited to continue working with the community and the opportunity to bring in more groups, additional volunteer activities and tours," said Leia Giambastiani, a Point Blue restoration project manager.

Giambastiani said the organization will consult with local Native American tribes for the new interpretive signs. The group also plans to work with Conservation Corps North Bay and the AmeriCorps National Civilian Community Corps on restoration projects to provide workforce training.

The 177 wetlands under Point Blue’s stewardship are part of the California State Coastal Conservancy’s Hamilton Wetlands Restoration Project, which aims to restore 2,600 acres of marshland near Novato that were lost to the expansion of development and agriculture around San Francisco Bay.

About 650 acres of marshlands near the former Hamilton Army airfield were restored in 2014. The Bel Marin Keys wetlands project began construction in 2019 and would restore another 1,600 acres. Additionally, the project will add 3.5 miles of path to the San Francisco Bay Trail.

Prior to Point Blue taking over, this stewardship work had been performed by the Novato Baylands Stewards nonprofit group for the past decade under the leadership of executive director Christina McWhorter. McWhorter said she was diagnosed with chronic fatigue syndrome and worked for another couple of years, but found that her health would not allow her to continue.

“It was incredibly hard and heartbreaking to have to give up leading NBS and the restoration efforts on site,” McWhorter wrote in an email. “I am proud of what was accomplished and deeply grateful to be part of such critically important work for our Earth.”

“I miss being on the site with the volunteers who made this so much more than simply a professional pursuit,” she said. “The project is in good hands and I am sure it will continue to flourish under the direction of Point Blue, and with the support of the steadfast volunteer community.”

Point Blue has been working at the wetland sites since at least 2012 through its school field trip program and had partnered with McWhorter’s organization.

At the California State Coastal Conservancy governing board’s meeting last week, the agency’s executive officer, Amy Hutzel, described McWhorter as the “heart and soul” of the restoration program.

“There are hundreds, if not thousands of people, who have a connection to the property,” Hutzel said of McWhorter’s work.

Novato Baylands Stewards will dissolve as a group and will be taken over by Point Blue.

“Our goal is to continue growing it and take over the wonderful work that she’s done,” Giambastiani said of McWhorter.

Information on volunteering at the wetlands is available by emailing Giambastiani at [pointblue.org">lgiambastiani@pointblue.org](mailto:lgiambastiani@pointblue.org) and or visiting the Point Blue website at pointblue.org.

COVID-19 PANDEMIC

State virus spike puts more elders in hospital beds

BY RONG-GONG LIN II

LOS ANGELES TIMES

LOS ANGELES >> There has been a troubling spike in coronavirus-positive hospital admissions among seniors in California, rising to levels not seen since the summer omicron surge.

Hospitalizations have roughly tripled for Californians of most age groups since the autumn low. But the jump in seniors in need of hospital care has been particularly dramatic.

Officials in Los Angeles County have said increases in hospitalizations could lead to an indoor mask order, possibly in early January. Still, there is optimism that any winter surge will not be as bad as those of the last two years.

Rising hospitalization rates are a reason health officials are urging people, especially seniors, to get the updated COVID-19 booster shot and, if they test positive and are eligible, to access therapeutic drugs that likely will reduce the severity of any illness.

Only 35% of California's vaccinated seniors age 65 and up have received the updated booster since it became available in September.

Among eligible 50- to 64-year-olds, about 21% have received the updated booster. The rate is 12% for younger adults, 9% for adolescents and 8% for 5- to 11-year-olds. The updated booster rate for all vaccinated Californians age 5 and up is 18%.

“We are doing a pathetic job of protecting seniors (and age 50+) from severe COVID in California,” tweeted Dr. Eric Topol, director of the Scripps Research Translational Institute in La Jolla.

Immunity against COVID-19 weakens over time. The booster is especially important for older people, who are at higher risk for severe illness and death.

“The people who are dying today are principally people who are unvaccinated or haven’t gotten an up-to-date vaccine,” Xavier Becerra, the U.S. Health and Human Services secretary, said Thursday in an online forum with the Public Policy Institute of California.

COVID-19 deaths in the state have remained stable at 100 to 200 a week. However, there is concern that increases in cases and hospitalizations could lead to more fatalities.

Of all age groups, 70-plus is the only one that is seeing its hospitalization rate in California exceed that of the summer omicron peak, according to the U.S. Centers for Disease Control and Prevention.

New coronavirus-positive hospitalizations have doubled in just 2½ weeks to 8.86 for every 100,000 Californians age 70 and up. The summer peak, in July, was 8.36; the autumn low, just before Halloween, was 3.09.

During the seven days to Friday, 2,450 coronavirus-positive Californians age 70 and up were admitted to hospitals — 44% more than in the prior week.

Meanwhile, the hospitalization rate for 60- to 69-year-olds has doubled since Nov. 11, from 1.28 to 2.59. The summer peak for that age group was 3.03.

Concerned about the rise in cases and hospitalizations, state health officials issued an alert to remind doctors that there are plenty of drugs available for newly infected people.

“There is ample supply of COVID-19 therapeutic agents, but they have been underused — especially among populations disproportionately impacted by COVID-19, including communities of color, low-income communities, and residents of long-term care facilities,” the California Department of Public Health said.

The drugs can reduce the risk of hospitalization and death by 88% among unvaccinated people and by 45% among vaccinated or previously infected people, the agency said.

The drugs “are free and widely available,” said Orange County Health Officer Dr. Regina Chinsio-Kwong. “Medications such as the Paxlovid pill can stop the virus from multiplying in your body, help you test negative sooner, and may lower the risk of developing long COVID symptoms. Additionally, you do not need to have insurance or U.S. citizenship.”

Other therapies against COVID-19 are becoming effectively useless. On Wednesday, the U.S. Food and Drug Administration said it was no longer authorizing the monoclonal antibody bebtelovimab to treat the disease because it’s not expected to work against the omicron subvariants BQ.1 and BQ.1.1.

CDC data released Friday estimate that BQ.1 and BQ.1.1 account for 62.8% of coronavirus cases nationwide. The parent strain, BA.5, now accounts for just 13.8% of cases.

The coronavirus outlook has deteriorated rather suddenly since Thanksgiving around swaths of California.

The worsening rate “indicates a higher risk for more individuals to catch COVID-19 this winter,” Chinsio-Kwong said. She urged people to mask up in indoor public settings.

On Nov. 17, all but one of California’s 58 counties — Imperial — was in the low COVID-19 community level as defined by the CDC, which measures case and hospitalization rates. On Thanksgiving, three more counties — Fresno, Madera and Del Norte — joined Imperial in the medium category.

On Thursday, 23 counties entered the medium level: Los Angeles, Orange, Santa Clara, Sacramento, Stanislaus, Sonoma, Monterey, Placer, Merced, Marin, Yolo, Butte, El Dorado, Kings, Nevada, Mendocino, Tehama, San Benito, Tuolumne, Siskiyou, Glenn, Mariposa and Sierra.

About 22 million people, 55% of Californians, live in counties now at the medium level.

In L.A. County, coronavirus cases rose nearly 50% during the last week, from 2,049 to 3,053 a day. The county's rate has been increasing since late October and is more than triple what it was in the autumn. For the week that ended Friday, L.A. County was recording 212 cases for every 100,000 residents; a rate of 100 or more is considered high. The COVID-19 death rate in L.A. County is stable at around 60 per week.

Besides COVID-19, L.A. County is contending with rising flu cases and a high level of respiratory syncytial virus, which is stressing children's hospitals. The flu positivity rate in L.A. County is 25%, the highest for this time of year for at least six years.

For L.A. County to reinstate a mask mandate, two hospitalization thresholds need to be met. One has already been reached.

There were 1,285 admissions of coronavirus-positive patients to county hospitals for the week that ended Wednesday — more than triple the rate from the beginning of November. That's 12.8 for every 100,000 residents, and a rate of 10 or greater is one of the thresholds for a mask mandate.

The other threshold is reached if the percentage of hospital beds used by coronavirus-positive patients is 10% or greater, an indication of strain on the hospital system. This level was reached during the 2020 and 2021 winter surges, the deadliest of the pandemic.

The current figure is 5.9%, up from around 2% at the start of November. The earliest the level could hit 10% would be late

December, L.A. County Public Health Director Barbara Ferrer estimated last week.

If that happens, there would likely be a two-week countdown before a mask order would take effect — thus, early January at the soonest.

Elsewhere, Orange County's coronavirus-positive hospitalization rate has doubled since mid-November to 432 per week, according to the CDC, or 13.6 for every 100,000 residents. Orange County reports that 4.9% of hospital beds are being used by coronavirus-positive patients.

Distributed by Tribune News Service.

WEATHER

Marin's steady rain dampens fire season

BY ALEX N. GECAN

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Marin is finally wet enough to bring the end of fire season into focus, with another stretch of rainy days forecast for the weekend.

The county got between 0.43 and 1.33 inches of rain between Monday and Tuesday, and is on track to get between another half and three quarters of an inch by the end of Friday, according to the National Weather Service. The rain is projected to last through the weekend, but how much more would fall was unclear.

“From a wildland fire protection standpoint, we can all breathe a little easier, a sigh of relief that we made it through another fire season,” said Jason Weber, chief of the Marin County Fire Department.

Many seasonal firefighters will be cycling out by the end of the week now that the wildfire risk is dropping, Weber said. The county fire department is already recruiting for next season.

The county will face an icy morning today. A freeze warning was set for 1 to 9 a.m., according to the National Weather Service.

Forecasters warned sensitive vegetation and outdoor plumbing were at risk. The agency advised residents to move plants indoors if possible and suggested residents with outdoor pipes wrap or drain them or allow them to run to prevent bursting.

Tonight was forecast to be nearly as cold as Tuesday night, with temperatures forecast to drop to 39 in Dillon Beach, 38 in Novato, 42 in San Rafael, and Sausalito, 41 in Mill Valley and 43 in the Point Reyes National Seashore.

Rain is forecast to move into the county Thursday afternoon and last, off and on, through early Friday. After dry weather most of the day Friday, the rain will return in the late evening, forecast to last through early Sunday morning.

Temperatures are forecast to drop and possibly bring frost Sunday night into Monday morning.

The Bay Area remains in a state of “severe drought” according to the U.S. Drought Monitor, which issued an update Nov. 29. According to the monitor, 99.48% of California is still in drought, with most of Del Norte County, in the northwest corner of the state, assigned an “abnormally dry” designation.

With the fire season waning, Weber said residents could take advantage of the period of relative safety to address “defensible space” around their homes.

It can be a tricky balance between keeping vegetation to shore up against mudslides while managing growth that can dry out and fuel fires, or making “the right plant choice in the right places,” Weber said.

Bay Area News Group contributed to this report.

SITES IDENTIFIED

County's list for housing mandate

Supervisors go forward without new revisions

BY RICHARD HALSTEAD

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Marin County supervisors will stay the course with a list of sites designating thousands of new homes so as to reduce the environmental impacts of potential development.

The supervisors' meeting on Tuesday was their last chance to revise the site list before it is submitted to the county Planning Commission for its recommendation. Supervisors are expected to approve the environmental impact report and a new housing element to the county's general plan, which will include the site list, on Jan. 24.

In response to a state mandate to accommodate 3,569 new dwellings in its unincorporated areas by 2031, Marin County has identified 158 locations where 5,214 residences could be built.

The county identified more sites than required by state mandate because developers might use a state density-bonus law to build more residences than the county has sanctioned at certain sites, and to allow a margin of error in case problems arise with the county's preferred sites.

A study of the environmental impacts of building all of the housing identified 15 effects that are significant and unavoidable. These

include impacts on water supply, air quality, greenhouse gas emissions, transportation, visual character, wastewater treatment, noise and tribal resources. Mandate » Page 4

One alternative would reduce air pollution by cutting the number of vehicle miles traveled, or VMT. It would achieve this by reducing the number of remote housing sites in western Marin and locating most of the proposed housing sites within about a 2-mile radius of the Highway 101 corridor, or half a mile on either side of Sir Francis Drake Boulevard.

While VMT, air quality and greenhouse gas effects would remain significant and unavoidable, the second alternative would reduce the impacts by 10% to 15%.

The other alternative would address the significant and unavoidable impacts on water and wastewater treatment in the districts of service providers that lack the ability to accommodate the amount of development proposed.

It would achieve this by relocating housing sites from service districts that lack capacity to serve new development to areas closer to the “city-centered/baylands corridor,” where water and wastewater service providers have greater capacity.

According to the EIR, this alternative would eliminate the significant and unavoidable impacts to water and wastewater service providers that lack capacity. However, some other significant and unavoidable impacts would remain.

During Tuesday’s meeting, supervisors approved a few minor site adjustments that reflected new information and some recent developments, such as the pending purchase of the 110-acre Martha Co. property in Tiburon for conversion to open space. There was no discussion, however, of adopting either of the alternatives contained in the EIR.

Leelee Thomas, a county planner overseeing the site selection process, said that the state’s Department of Housing and

Community Development (HCD) had reviewed Marin’s plans and is prepared to certify the housing element by the Jan. 31 deadline.

“Based on that, we are recommending minor changes, as minor as possible,” Thomas said.

Sarah Jones, director of the county’s Community Development Agency, said in an email that “staff didn’t recommend that the board go with either of the alternatives because they would have altered the distribution of units throughout the county.”

“This distribution was something that the board had wanted right from the start,” Jones said. “Distributing housing is also a requirement from the state for a lot of reasons, including our affirmatively furthering fair housing responsibilities and our need to consider special populations like farm workers. Our feedback from HCD indicated support for the distribution as proposed.”

One of the reasons the state required Marin County to allow so many new homes is that Assembly Bill 686, which took effect in 2019, requires that counties and cities implement the Obama-era policy of “affirmatively furthering fair housing.”

Thomas said that had the supervisors adopted one of the alternatives, the site list would have needed to be re-evaluated to determine if it complied with the “affirmatively furthering fair housing” requirement. She said that couldn’t have been accomplished by the Jan. 31 deadline for certification.

Throughout process of selecting the sites, supervisors have jockeyed to minimize the number in their districts. When the final list was approved by the board in April, Supervisor Damon Connolly complained that his District 1 was accommodating 32% of the residences. If one of the alternatives had been implemented, the distribution among the supervisorial districts might have become more uneven.

During the public comment portion of Tuesday’s meeting, some residents of Lucas Valley and Marinwood, which are in District 1,

complained about the cumulative impacts from the number of homes assigned to their communities by both the county and San Rafael. Local municipalities have their own state housing mandates to meet.

“I call on the Board of Supervisors to reject the plan and show the necessary political courage to prevent the state of California from forcing our county to approve irresponsible development which threatens the safety and well being of both current and future residents in perpetuity,” Lucas Valley resident Susan Morgan said.

Marinwood resident Stephen Nestel said, “You might as well have dropped a bomb in our community if you vote for this.”

Bill McNicholas warned about increasing the number homes assigned to the Marinwood Plaza to 200 given an ongoing toxic chemical cleanup at the former shopping center.

Complaints about the site list, however, came from residents living throughout the county.

Mickey Allison said it was unsafe to assign 266 residences to Marin City because of the risk of flooding there. Ken Levin, a member of the Point Reyes Station Village Association, said the 106 additional dwellings assigned to the area exceed its wastewater carrying capacity.

“I’m going to urge you to take a stand,” Levin told the supervisors.

Though they voiced sympathy for some of the concerns, the supervisors largely characterized the site selections as a necessary evil required to produce the affordable housing the county needs.

“In the end, the bottom line is that the workforce that used to live in Marin County can’t afford to live here anymore,” Supervisor Stephanie Moulton-Peters said. “We need whole communities, people living here, not commuting three hours a day to their homes elsewhere.”

Supervisor Judy Arnold said that fostering more housing along the Highway 101 corridor is in keeping with the development plan for Marin envisioned in the 1970s, when tight zoning protections were placed on agricultural land in western Marin to head off major development.

“I believe we must complete this housing element even when it hurts us,” Arnold said, “because it is the right thing to do.”

Supervisor Dennis Rodoni said he agreed that the Highway 101 corridor is the most appropriate place to build housing in Marin.

“I’m very pleased with where we’re at tonight,” Rodoni said.

The supervisors also agreed to reject a request from Larkspur to allow it to claim credit for 250 affordable homes planned adjacent to San Quentin State Prison. While the site is in unincorporated Marin, it is within Larkspur’s sphere of influence, and the city has expressed its intent to annex the property.

NOVATO

Council reviews plan to meet housing edict

BY WILL HOUSTON

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The Novato City Council took its first look this week at a draft plan that city officials say would meet the state’s mandate to allow more than 2,000 new homes within the next eight years.

“I think Novato does have a lot in the pipeline,” said Councilwoman Denise Athas during the council’s meeting on Tuesday. “The key is going to be to make sure they get built. We’ve seen projects do big starts and no finishes.”

The plan, known as the housing element, is a state-mandated document that requires cities and counties to show how they will meet existing and future housing needs for the next eight years. The plan also must show how the city will comply with California’s evolving housing laws and meet its fair share of housing production in the state.

The public comment period for the plan is open through Dec. 18. The plan will then go back before the city Planning Commission and City Council for final approval, and is set to be submitted to the state before its deadline at the end of January.

For Novato, the state is requiring another 2,090 homes at various affordability levels before the end of 2031. About 900 of these homes must be priced in the low-income to extremely-low-income categories. The city’s allotment is five times larger than the requirement in the previous cycle, which ends this year.

The state significantly increased the housing targets in the midst of a statewide housing crisis and after decades of communities failing to meet their allotments.

Mayor Pro Tem Susan Wernick voiced concern about how the state mandates will affect the city's ability to provide services as well as the wear and tear on roads and utilities.

"This is so much more than we're doing tonight," Wernick said during the meeting. "It will impact the city in such larger ways that we'll have to respond to."

The North Marin Water District, which supplies water to 61,000 people in the greater Novato area, incorporated the city's housing projection growth into its most recent forecast for water supply, according to Tony Williams, the utility's general manager.

"We were always aware of the city of Novato's inventory," Williams said on Wednesday. "We're still concerned about the cumulative effects of the county's housing element and the city's housing element. We hope the two of them coordinate going forward."

Last month, the water agency raised concerns about the potential development of hundreds of homes north of Novato city limits that were included in Marin County's housing element. The district said millions of dollars of new equipment from water tanks to distribution system expansions would be required.

Novato is expected to exceed the state's mandate of 2,090 new homes, which city-hired consultant David Bergman of Lisa Wise Consulting said is a "very fortunate position" to be in compared to other cities. Bergman said the reason is that the housing element allows the city to count projects that are already undergoing city review. The city is projecting that nearly 2,600 homes could be built based on projects being reviewed and projected housing development.

The largest of these projects is a proposed redevelopment of the former Fireman's Fund Insurance campus at 777 San Marin Drive

to build 1,081 new homes.

While not all of these sites will likely be developed, Novato Community Development Department Director Vicki Parker told the council that the number of homes proposed is expected to provide enough of a buffer to meet the state’s target.

“Throughout the cycle, we will be coming back with substitute sites,” Parker said.

To promote more housing development, the city’s plan calls for several strategies including streamlining the construction of in-law apartments, formally known as accessory dwelling units; revising the city’s regulations for developments on hillsides and ridgetops; working with utility providers to reduce fees for developments such as new water connections; and reducing fees for affordable housing projects.

The council voted unanimously on Tuesday to direct the staff to bring back potential options on how to address long-vacant homes.

“People need housing and this is the greatest way we can do it with the existing homes,” Councilwoman Pat Eklund said. “It will reduce the cost to the city to manage these vacant homes.

The city also proposes to extend just-cause eviction protections to tenants renting single-family homes; require non-binding mediation with the county for rent increases greater than 5%; and provide assistance for pet-owning tenants. Eklund and Mayor Eric Lucan recused themselves from this portion of the discussion because they both manage rental properties in the city.

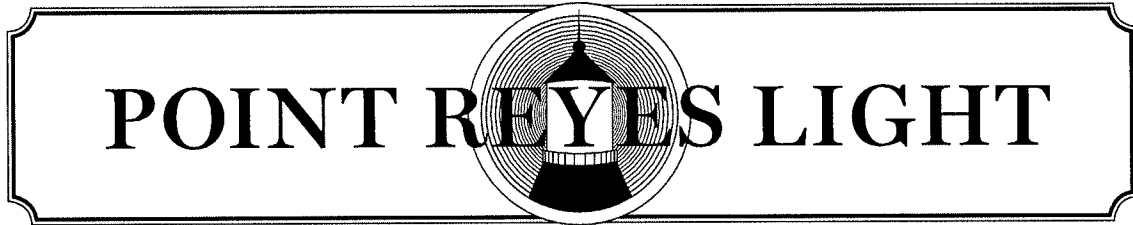
While the city is expecting to meet the state’s overall target, it is projecting that the number of homes priced in the moderate-income category will be short by 19. To make up for this, the city is proposing to rezone two parcels to allow housing development.

The sites include a vacant parcel in San Marin at Meadow Crest Road and Wood Hollow Drive that was originally slated for office

developments, as well as a mostly vacant office building at 1682 Novato Blvd.

The city originally included a Novato Unified School District property at 5 San Andreas Drive, where the school district is proposing to develop teacher housing. However, the site has been removed at the request of the school district because the project is still being planned, Parker said.

More information about the housing element can be found at novato.org/housingelement.



NEWS

North Marin Water calls for patience with salinity level

by Ike Allen
December 7, 2022

North Marin Water District is still warning its customers in Point Reyes Station, Olema and Marshall about salty drinking water even as a brand new well is pumping more than 240,000 gallons a day. But the problem won't persist for long, officials say: Saline water from the district's older Coast Guard wells is just making its way out of the system. The latest round of notices, meant especially for customers on low-sodium diets, indicates that water in the distribution system still contains more than 50 milligrams per liter of sodium, a result of seawater intrusion. But that doesn't suggest a problem with the Gallagher Well II, which began pumping last month, said Pablo Ramudo, the district's water quality supervisor. "There may still be some lingering salt in our distribution system as it takes a few weeks to completely turn all the water over," he said. "After the next few weeks, I don't see this as a problem we will be dealing with again for quite some time."

MARIN COUNTY – So far this year in Marin County, the rainfall has been a bit disappointing. But the reservoirs are standing at about exactly average for this time of year, and "average" has never felt so good, especially after years of drought.

In fact, currently standing at about 2/3 capacity, it would be hard for Lake Lagunitas to get any more average.

The Marin Municipal Water District lists it at 99.91% of the historic average at this time of year. But that's only because of the near miracle the area saw last year.

This season, the area has only seen about seven inches of rain, but in October and December of 2021, the Tamalpais Watershed had more than 22 inches.

It came at a time when lake levels were so low that the district was considering running a pipeline across the Richmond-San Rafael Bridge to bring water in.

"That really resurged our water supply in our reservoirs, and we've been able to remain above or at average storage levels as a result of that throughout all of 2022," Marin Water spokesperson Andiane Mertens told KPIX 5.

Farther north in Novato, the same is true. The North Marin Water district has only one storage site, Lake Stafford, and the agency's General Manager Tony Williams said Wednesday that, while rainfall in its watershed is also down, the reservoir is right about normal for early December.

"From that standpoint, we're looking good," said Williams. "Obviously, we would love to have more rainfall. We would love to fill this lake and actually spill it this year. Probably not likely..."

If that ever does happen, the district has an idea for saving some of the water that would normally pour over the spillway. There is a small, 3-foot-deep notch cut into the lake's spillway as a flood control device.

North Marin Water wants to build a moveable gate that could slide up to block the notch. That one small change could potentially save 10% of the lake's capacity.

"We think that putting this gate in what was otherwise a notch on purpose, will help both water supply and flood control," Williams told KPIX 5.

Of course, that would require the lake to once again be completely filled, which, after the way the lake has looked during the drought, feels a bit farfetched. Williams says climate change has altered what we can expect in the way of weather.

"We're going to get these extreme events," he said, "and that could not only help with water supply but could also cause a flooding problem, depending on how often, and the intensity levels of those rainfalls."

In discussing rainfall, water districts always use the word "average," not "normal." That's because no one really knows what normal even means anymore.

John Ramos



John Ramos accidentally launched a lifelong career in journalism when he began drawing editorial cartoons and writing smart-alecky satire pieces for the Bakersfield High School newspaper.

First published on December 7, 2022 / 7:13 PM

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HIGH PATIENT DEMAND

Marin hospitals stressed by viruses

Surge of flu, respiratory cases comes amid
staffing shortages

BY RICHARD HALSTEAD

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Marin is getting hit by a trifecta of respiratory viruses, stressing the capacities of the county's hospitals to a level not seen since the height of the COVID-19 surges.

"The emergency departments in our hospitals have essentially been functioning at maximum capacity for the past week or so," said Dr. Matt Willis, Marin County's public health officer.

Willis said there has been a much higher number of influenza and respiratory syncytial virus cases than normal for this time of year. The number of COVID-19 cases has also begun to rise.

A flood of new patients is just part of the problem.

"There are staffing shortages in almost all branches of the health care system, including some of our skilled nursing facilities," Willis said. "Right now we're challenged to even maintain normal staffing levels, much less being able to increase staffing to match the demand."

Marin has three main hospitals: MarinHealth Medical Center in Greenbrae; Novato Community Hospital, operated by Sutter

Health; and Kaiser Permanente San Rafael Medical Center. Both Novato Community and Kaiser have had to transfer patients to centers in their networks that are outside Marin.

Also, an increase in illness among the staff of local skilled nursing centers has delayed the return of elderly patients to these sites following hospital treatment, causing further backup at hospitals.

Another concern is a potential shortage of Tamiflu, the drug that treats flu infections. County health officials have received reports that supplies of the drug are running low in other parts of the state. It might need to be used sparingly to ensure a supply for those at highest risk. National stockpiles maintained by the federal government might need to be tapped if demand continues to rise.

“My hope is that when people understand that their health system is under stress that they’ll do their part,” Willis said.

Willis is urging residents to avoid going to emergency rooms if their medical condition can be handled by visiting an outpatient clinic or seeking advice over the telephone.

He also urges anyone who hasn’t been vaccinated for the flu, or needs a COVID-19 vaccination or booster, to act now.

“Influenza vaccination rates are way too low right now relative to the risk,” Willis said.

Only about half of Marin residents who are eligible for a COVID-19 vaccine booster have received one. Local data show that receiving the updated booster cuts the risk of being hospitalized in half. No one in Marin who has received the updated booster has died from COVID-19.

“Our community should know that our local health care system is being stressed by preventable infections,” said Dr. Melanie Thompson, chief medical officer for Marin Community Clinics. “We hope this will lead people to make safe choices as we come into the heart of the holidays.”

Of the three respiratory viruses threatening Marin, flu is the biggest threat. On Friday, 12 patients were hospitalized in Marin because of COVID-19 while 15 were hospitalized because of flu. Three people were in the hospital because of respiratory syncytial virus, or RSV.

While the number of pediatric RSV cases appears to be coming down, detection of all three viruses in local wastewater is continuing to rise, portending more infections. The amount of COVID-19 virus in Marin wastewater increased 16% over the previous week.

On Thursday, 105 new COVID-19 cases were reported in Marin, the most in a single day since July.

On Friday, San Anselmo announced it was canceling a “breakfast with Santa” event scheduled for today because of the tripledemic. Willis said that while taking such steps is reasonable, he isn’t contemplating reimposing any new mask mandates or other preventive measures.

“At this point 2½ years into the pandemic, our public understands the benefit of masking for preventing infection,” he said. “I think we do better when we can function in an environment of choice.”

Nevertheless, Willis recommends that people take care before gathering with friends and family over the coming holidays.

He said that in addition to being fully vaccinated for flu and COVID-19, it is a good idea for anyone experiencing cold symptoms to isolate and for everyone attending a gathering to test for COVID-19 the day of the event.

BAY AREA

Weekend storm drops 2-3 inches in Marin spots

Parts of Marin County received 2 to 3 inches of rain over the weekend as another storm system moved through the Bay Area.

During the 48-hour period until about 6 p.m. Sunday evening, 3.07 inches fell on Mount Tamalpais, according to the National Weather Service. Rainfall in Kentfield measured 2.71 inches.

Other totals for the period included 2.48 inches in Sleepy Hollow; 2.32 at the Marin County Civic Center in San Rafael; 1.58 in Tiburon; and 1.42 in Novato.

“We’re off to a decent start for the rainy season,” said Roger Gass, a National Weather Service meteorologist. “It’s definitely been beneficial and helpful for the long-term drought conditions. But all in all, it’s all another drop in the bucket as far as trying to climb of a multiyear drought.”

The storm helped make December the wettest month of 2022 for parts of the Bay Area.

Low-lying portions of the Bay Area — including Oakland, San Francisco, Palo Alto and Hayward — received 1 to 2 inches of rain from Friday night through about 9 a.m. Sunday, according to rain gauges maintained by the National Oceanic and Atmospheric Administration. San Jose recorded .56 inches of rain through early Sunday morning, while its surrounding communities received well over an inch. The Oakland Hills received 2.15 to 2.72 inches of rain, along with the coastal mountains of San Mateo County.

Already, more moisture has fallen in Oakland and San Francisco this month than any other month in 2022. Oakland received 3.19 inches of rain from Dec. 1 through midnight Saturday — nearly twice as much as the city received in November and April, the next-wettest months, National Weather Service records show. San Francisco received 2.06 inches of rain in that time, seventh-tenths of an inch more than it received in November.

The weekend's highest rainfall totals could be found in the Santa Cruz Mountains, which generally saw between 4 and 5 inches of rain. One station at Uvas Canyon County Park recorded 7.05 inches of rain.

Fire officials in Santa Clara and Santa Cruz counties said the weekend storm brought only minor flooding, though downed trees blocked roads throughout the Santa Cruz Mountains. Eureka Canyon and Pioneer roads remained closed as of Sunday afternoon.

“We’ve dodged some bullets with this storm,” said Joe Paquin, fire captain for the CZU Cal Fire unit in Santa Cruz.

The dousing prompted California transportation officials to close a 45-mile stretch of Highway 1 while road crews cleared mud and debris from the weekend's heavy rainstorms.

State highway officials shut down the internationally famous, two-lane winding cliffside road from just south of Deetjen's Inn to Ragged Point. That's after some areas of the coast from Monterey down through Big Sur saw upward of 7 inches of rain since Friday night, while one station near Mining Ridge recorded an eye-popping 12.96 inches of rain.

“There's mud along the highway as well as rockslides in a number of places,” said Caltrans spokesperson Alexa Bertola, adding that the road itself does not appear to be damaged.

In the high country, more snow fell Sunday over the Sierra — adding to already-impressive totals for ski resorts bordering Lake

Tahoe.

The Central Sierra Snow Lab near Donner Pass received nearly 4 feet of snow from late Friday through Sunday morning — almost all of which fell on Saturday, the laboratory reported on Twitter. Ski areas around Lake Tahoe received anywhere between 30 and 50 inches — making for a “very impressive” storm, said Cory Mueller, another National Weather Service meteorologist.

All that fresh powder made travel nearly impossible for people trying to cross the Sierra. Interstate 80 reopened to passenger vehicles on Sunday morning, though it remained closed to semi trucks in both directions between Colfax and Stateline. Chains also were still required over Donner Pass.

Before the storm hit, statewide snowpack totals were at 156% of normal for this time of year. Still, that amounted to just a quarter of the snowpack that’s expected to accumulate during the fall, winter and early spring — meaning that several more storms are needed to help bring the state out of its current drought, Mueller said.

He pointed out that the Sierra was walloped by snow last December, only to experience exceptionally dry conditions during the first few months of 2022. The lesson, he said, is that one good month of snow means little in the long run if more moisture doesn’t keep flowing to the state.

“Things can change quickly here in California,” Mueller said. “So definitely liking the (snowpack) start and hopefully we can keep it up.”

Sunny skies are expected to return to Northern California today.

The Independent Journal contributed to this report.

WEATHER

Storm delivers water boost for local reservoirs

BY ALEX N. GECAN

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A storm that lashed Marin over the weekend left reservoirs 10% more full than they were this time last year, officials reported.

Parts of the county got between 2 and 3 inches of rain between Friday evening and Sunday evening, according to the National Weather Service. Another 1.02 inches fell on Mount Tamalpais on Sunday night and early Monday morning before the skies cleared.

Dillon Beach received 0.16 inches, Point Reyes Station 0.24 inches, Woodacre 0.61 inches and Kentfield 0.84 inches in the same time period, according to the weather service.

The storm system helped make December the wettest month of 2022 for parts of the Bay Area. It also dumped as much as 4 feet of snow on ski areas around Lake Tahoe.

The Marin Municipal Water District reported that its reservoirs were at 53,852 total acre-feet, or approximately 67.68% of capacity, as of Sunday.

That's well above the 45,681 acre-feet — or 57.41% capacity — that the district's reservoirs logged on the same date last year, but still below the overall average for the date, which is 54,787 acre-feet, or 68.86% full.

On roads in the county, a rock slide on southbound Highway 101 in Sausalito damaged six vehicles and slowed traffic for approximately

three hours Monday morning, according to the California Highway Patrol.

No major incidents occurred elsewhere in Sausalito, said Kevin McGowan, the city's public works director.

"We had a few tree branches into the roadway but thanks to our crews' efforts they were cleared quickly," he said.

Also Monday, authorities released the name of a man who was killed in a two-car collision in western Marin on Saturday afternoon. Miles Walter Kintz, 22, of Petaluma died when his car crossed the center line on Hicks Valley Road, colliding with an oncoming car, according to the California Highway Patrol and the Marin County Sheriff's Office. How Kintz lost control remained under investigation Monday, but the CHP said weather conditions were likely a factor in the crash.

Elsewhere in the county, the storm left some debris and branches down but there were "no closures or significant issues on county-maintained roads," said Julian Kaelon, a spokesperson for the county Department of Public Works.

Parts of the county, including along San Pablo Bay and the border with Sonoma County, were under a freeze warning between 1 and 9 a.m. Tuesday, according to the National Weather Service. It warned residents to bring pets and plants inside if possible and to wrap or drain outdoor pipes, or allow them to drip, to prevent bursts.

GRIM FISCAL OUTLOOK

MMWD weighs boost in rates

Officials fear deficits, depletion of reserves

BY WILL HOUSTON

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The Marin Municipal Water District board is considering raising rates for the first time since 2019 in response to sobering financial forecasts.

District staff told the board Monday that unless the agency can find more revenue, the effects of inflation, drought and maintaining the water supply system could deplete reserve funds by mid-2024 and increase budget deficits as high as \$45 million in the coming years.

“We’re facing a really heavy lift here,” board president Larry Russell said during the meeting.

The discussion was the first order of business for the newly organized board, which had a significant change in leadership following the November election.

Water scientist Ranjiv Khush defeated eight-year incumbent Larry Bragman for the Division 3 seat while firefighter Matt Samson defeated 28-year incumbent Jack Gibson for the Division 1 seat. Jed Smith, a venture capital firm executive, was elected to the Division 4 seat previously held by 17-year incumbent Cynthia Koehler, who did not seek reelection. The new board members were sworn in on Monday.

Bret Uppendahl, the district’s finance director, told the board on Monday that the bleak financial forecast stems from decreased

water sales during the drought, increased water imports from Sonoma County, inflation and the need to replace aging pipes, tanks and other equipment.

While helping to retain local water supplies, conservation efforts by the 191,000 central and southern residents served by the district also reduced revenue significantly in recent years. Water consumption dropped by more than 20% in the past two years, costing the district an estimated net loss of \$25 million in revenue, staff said.

The district also increased Russian River water imports from Sonoma County during the drought to reduce demand on local reservoirs. This cost the agency \$6 million more than anticipated, Uppendahl said.

The losses and expenses, in combination with other projects and inflation costs, are projected to deplete 60% of district reserves, or \$40 million, by the end of June, Uppendahl said.

If the district continues to operate without any changes, it would face a nearly \$31 million deficit in the 2023-2024 fiscal year, increasing to \$45 million by 2026-2027, Uppendahl said. As a result, he said, the district would “decimate” its discretionary reserves as soon as mid-2024, putting it in a precarious position in the event of an economic downturn or recession.

“That’s only one year away from now, so there is certainly some short-term action we need to take to avoid that,” Uppendahl said.

As part of its forecast, district staff assumed that reduced water sales, increased water imports and inflation effects would continue in the coming years. These pressures — in addition to the need to rebuild reserve funds, begin implementing projects to increase the district’s water supply and pay off debt for repair and maintain existing facilities — could cost \$26 million to \$39 million a year, Uppendahl said.

The district is aiming to restore its reserve fund from about \$23 million to about \$60 million, where it was before the drought. Uppendahl said bolstering reserves is not only needed to provide a financial safety net but also to improve the district's credit rating, which will be vital to obtain funding for projects.

To cut costs, the district has delayed recruiting for staff positions and deferred maintenance projects to save about \$9 million this year. But maintaining these cost savings is not sustainable unless the district slashes service levels and project funding, Uppendahl said.

Smith agreed, saying the district has been doing “unnatural things” in recent years to adapt to financial losses, including operating with fewer employees.

“It has a direct impact on morale, it has a direct impact on our ability to do our job and serve our public,” Smith said during the meeting. “It could be dire where we are, but this is significant and although we call this savings, the costs are significant as well.”

District board members and staff said they favor obtaining state and federal grants to chip away at some of the costs. At the same time, the district is studying potential changes to its water rates and various fixed fees for the first time since 2019.

“No organization can withstand such a major shift in demand, being a 20% drop in overall water sales, without having some sort of a change,” Uppendahl told the board.

The district plans to hold several public meetings on the proposed changes, with the board set to vote on any rate changes in May. Any rate changes would take effect in July.

Some ratepayers called on the board to cover the operating deficits using rate increases and not issuing bonds.

“Ensuring future reliable supply is going to be expensive,” Larkspur resident Ed Jameson told the board. “MMWD's bonding capacity must be reserved for that purpose.”

Doug Kelly, a board member of the Ross Valley Sanitary District and Central Marin Sanitation Agency, said he would support rate increases to make up for years when the district did not increase rates. The district did not raise rates in 15 of the years from 1990 to 2021, according to a district report.

“I think one of the problems we’ve had in the past is there haven’t been rate increases on a regular basis,” Kelly told the board. “An organization like MMWD can’t operate like that.”

Mimi Willard, president of the Coalition of Sensible Taxpayers, a Marin nonprofit group, said the upcoming study should be an opportunity to redesign rates that “aren’t just the status quo rolled forward with inflators.”

Some options could include automatically adding surcharges to rates during drought emergencies and new recreation fees on the Mount Tamalpais watershed for nonresidents, Willard told the board.

Marin Conservation League board member Roger Roberts said the district should not skimp on public outreach to explain why the rate increases are needed. Many of the criticisms the district received during the last rate increase hearings in 2019 were from customers asking why their water bills were increasing when their water use was decreasing, he said.

“Quite frankly, the water district hasn’t done a great job at explaining the complexities and the cost structures associated with providing the water that we all use,” Roberts told the board.



**NORTH MARIN
WATER DISTRICT**

Web & Social Media Report

November 2022

Website Statistics



Contact | Español

[Home](#) [Account](#) [Your Water](#) [Save Water](#) [About](#) [News](#)




| | Mar 2022 | Apr 2022 | May 2022 | Jun 2022 | Jul 2022 | Aug 2022 | Sep 2022 | Oct 2022 | Nov 2022 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2021/ 22 Visitors | 6,114 | 6,907 | 6,245 | 7,225 | 6,672 | 6,407 | 5,989 | 6,037 | 5,526 |

(Posted February 16, 2022) Water Conservation Ordinances remain in place for both the Novato and West Marin Service areas for 2022. For the most up to date information both service [...]

[Read More](#)



Social Media Followers

| | Mar-2022 | Apr-2022 | May-2022 | Jun-2022 | Jul-2022 | Aug-2022 | Sep-2022 | Oct-2022 | Nov-2022 |
|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|  Facebook Followers | 1,571 | 1,627 | 1,695 | 1,760 | 1,838 | 1,904 | 1,964 | 2,005 | 2,042 |
|  Twitter Followers | 69 | 70 | 72 | 76 | 77 | 77 | 75 | 74 | 71 |
|  Instagram Followers | 638 | 645 | 656 | 670 | 679 | 689 | 693 | 709 | 722 |



NMWD Most Visited Pages

| Pages | Unique Pageviews | % of Total |
|---|------------------|------------|
| Home | 3,013 | 29.12% |
| Online Billing | 1,847 | 19.27% |
| WaterSmart | 1,110 | 11.30% |
| Outdoors | 249 | 3.25% |
| Weather & Production Statistics | 234 | 2.28% |
| Contact | 201 | 1.86% |
| Meeting 2022 | 187 | 1.79% |
| Board of Directors | 166 | 1.71% |
| What Is An Acre Foot? | 147 | 1.39% |





November Social Media Highlights | Facebook



134 people reached | 5 engagements



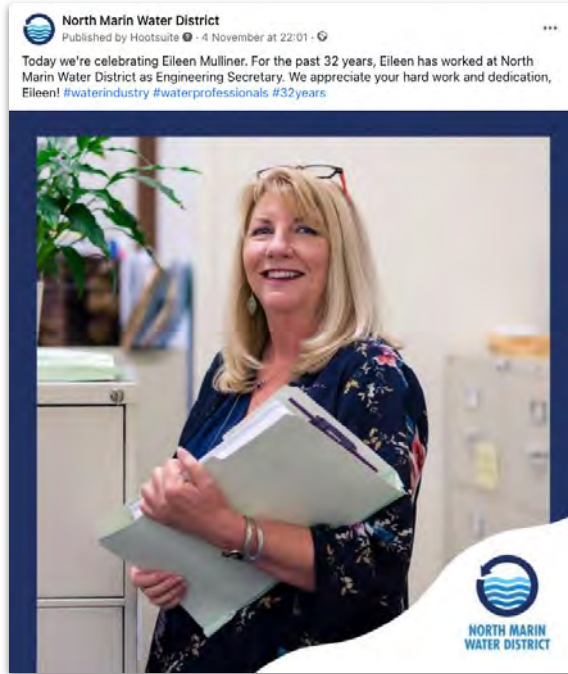
218 people reached | 27 engagements

Engagements include likes, reactions, clicks and comments





November Social Media Highlights | Facebook



418 people reached | 31 engagements



240 people reached | 7 engagements

Engagements include likes, reactions, clicks and comments





November Social Media Highlights | Facebook

North Marin Water District
Published by Hootsuite · 10 November at 17:02 · 🌐

An easy way to reduce household water use during the drought is to only run full loads of laundry! While it might be tempting to get certain clothes washed faster, the savings can really add up if you practice a little patience. [#loadup](#) [#savewater](#)



Load up to SAVE WATER




NORTH MARIN WATER DISTRICT

152 people reached | 7 engagements

Engagements include likes, reactions, clicks and comments


North Marin Water District
Published by Hootsuite · 12 November at 02:00 · 🌐

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmd.com/meetings



Board of Directors Meeting

Tuesday
November 15th
6:00pm



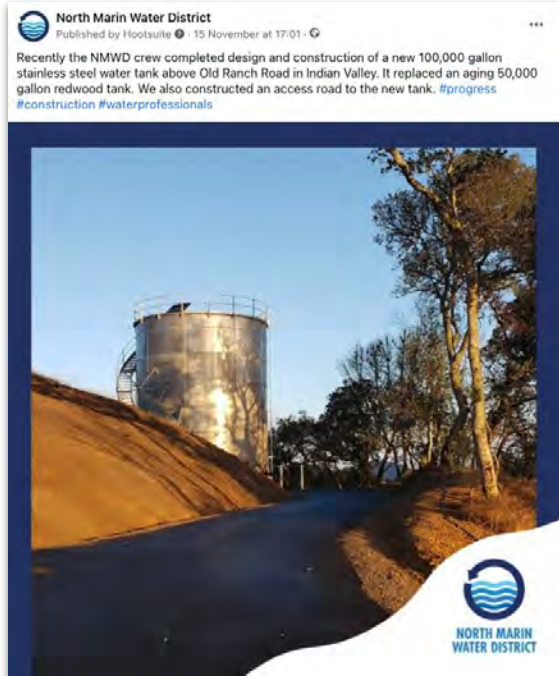
NORTH MARIN WATER DISTRICT

165 people reached | 12 engagements



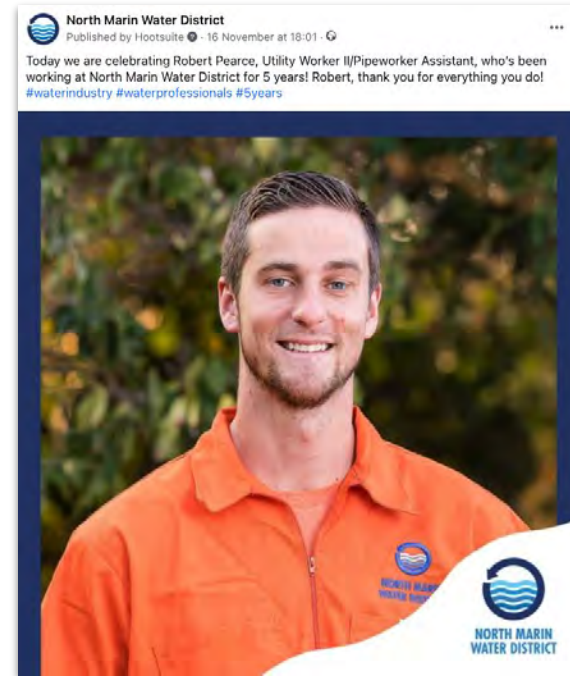


November Social Media Highlights | Facebook



717 people reached | 71 engagements

Engagements include likes, reactions, clicks and comments



284 people reached | 23 engagements



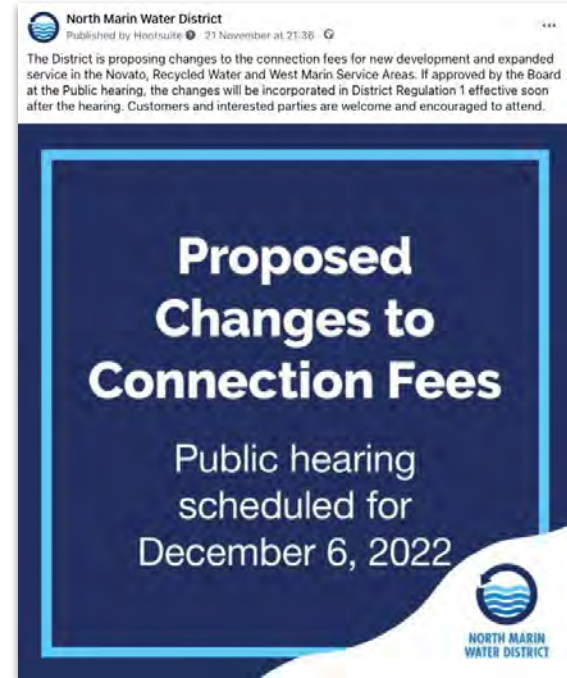


November Social Media Highlights | Facebook



140 people reached | 5 engagements

Engagements include likes, reactions, clicks and comments



150 people reached | 7 engagements





November Social Media Highlights | Facebook



10 people reached | 2 engagements



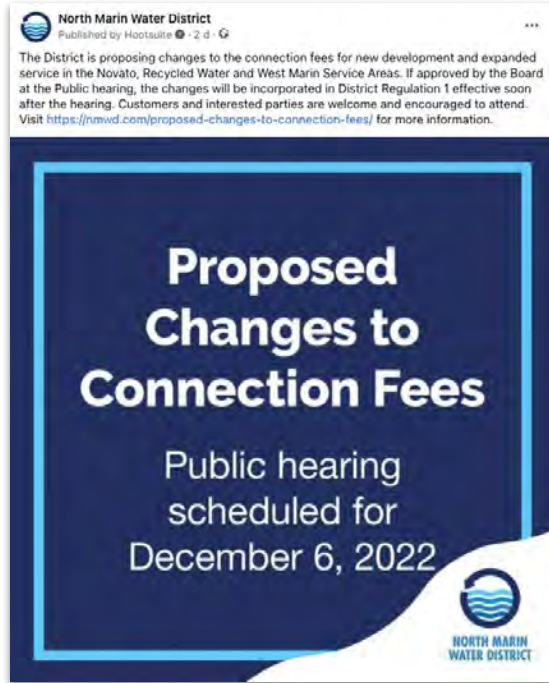
171 people reached | 5 engagements

Engagements include likes, reactions, clicks and comments





November Social Media Highlights | Facebook



209 people reached | 22 engagements



82 people reached | 6 engagements

Engagements include likes, reactions, clicks and comments





November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 1 ...

Remember to turn off your automatic irrigation systems during and within 48 hours after measurable rainfall. Visit nmwd.com/drought for more info. [#rain](#) [#savewater](#) [#droughtishere](#) [#cawater](#)



Drought Rules:
Don't irrigate
during rainfall, or for
48 hours afterwards

For more info visit:
nmwd.com/drought

 NORTH MARIN WATER DISTRICT

 **North Marin Water District** @NorthMarinWater · Nov 3 ...

Happy [#NationalConstructionDay](#)! NMWD recognizes and celebrates our dedicated, hardworking crew who are committed to keeping your water flowing safely, and to all construction workers out there! [#construction](#) [#waterprofessionals](#) [#constructionworkers](#) [#teamwork](#) [#buildingcommunity](#)



 NORTH MARIN WATER DISTRICT





November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 4

Today we're celebrating Eileen Mulliner. For the past 32 years, Eileen has worked at North Marin Water District as Engineering Secretary. We appreciate your hard work and dedication, Eileen! [#waterindustry](#) [#waterprofessionals](#) [#32years](#)



 NORTH MARIN WATER DISTRICT

 **North Marin Water District** @NorthMarinWater · Nov 8

It's that time of year, and more important than ever to give your irrigation system its seasonal rest. This fall, preserve and prolong our local water supply by turning off your irrigation timer if you have an automatic system. [#savewater](#) [#irrigation](#)



Turn off your irrigation to **SAVE WATER** 

 NORTH MARIN WATER DISTRICT





November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 10

An easy way to reduce household water use during the drought is to only run full loads of laundry! While it might be tempting to get certain clothes washed faster, the savings can really add up if you practice a little patience. [#loadup](#) [#savewater](#)



 Load up to **SAVE WATER** 

 NORTH MARIN WATER DISTRICT

 **North Marin Water District** @NorthMarinWater · Nov 12

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings



Board of Directors Meeting

Tuesday, November 15th
6:00pm

 NORTH MARIN WATER DISTRICT





November Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Nov 15

Recently the NMWD crew completed design and construction of a new 100,000 gallon stainless steel water tank above Old Ranch Road in Indian Valley. It replaced an aging 50,000 gallon redwood tank. We also constructed an access road to the new tank. [#progress](#) [#construction](#)



North Marin Water District @NorthMarinWater · Nov 16

Today we are celebrating Robert Pearce, Utility Worker II/Pipeworker Assistant, who's been working at North Marin Water District for 5 years! Robert, thank you for everything you do! [#waterindustry](#) [#waterprofessionals](#) [#5years](#)






November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 19


Today is [#worldtoiletday](#). There are billions of people in the world that live without safely managed sanitation. We would like to raise awareness of the global sanitation crisis. Visit worldtoiletday.info to find out more.




NORTH MARIN
WATER DISTRICT


 **North Marin Water District** @NorthMarinWater · Nov 21

The District is proposing changes to the connection fees for new development or expanded service in the Novato, Recycled Water and West Marin Service Areas. Customers and interested parties are welcome and encouraged to attend.



**Proposed Changes to
Connection Fees**

Public hearing scheduled for
December 6, 2022


NORTH MARIN
WATER DISTRICT





November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 22

In the fall, most deciduous plants stop growing to conserve their energy in preparation for winter. So even if it's warm, they require little to no irrigation. Check your [#irrigation](#) settings today, and see how you can help [#savewater](#)



Turn off your irrigation to **SAVE WATER** 

 NORTH MARIN WATER DISTRICT

 **North Marin Water District** @NorthMarinWater · Nov 24

Wishing all our customers a happy, safe Thanksgiving! 🍗




Wishing all our customers
**HAPPY
THANKSGIVING**

 NORTH MARIN WATER DISTRICT






November Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Nov 29

The District is proposing changes to the connection fees for new development or expanded service in the Novato, Recycled Water and West Marin Service Areas. Customers and interested parties are welcome and encouraged to attend. Visit nmwd.com/connectionfees for more information.

Proposed Changes to Connection Fees

Public hearing scheduled for December 6, 2022



 **North Marin Water District** @NorthMarinWater · Nov 29

How do you know if you have a leaky toilet flapper? You test it! Place a few drops of food coloring into the toilet tank, wait 15 minutes. If the bowl turns the color of the dye you have a leak. Fixing it is as simple as installing a new flapper. [#fixyourflush](#) [#savewater](#)



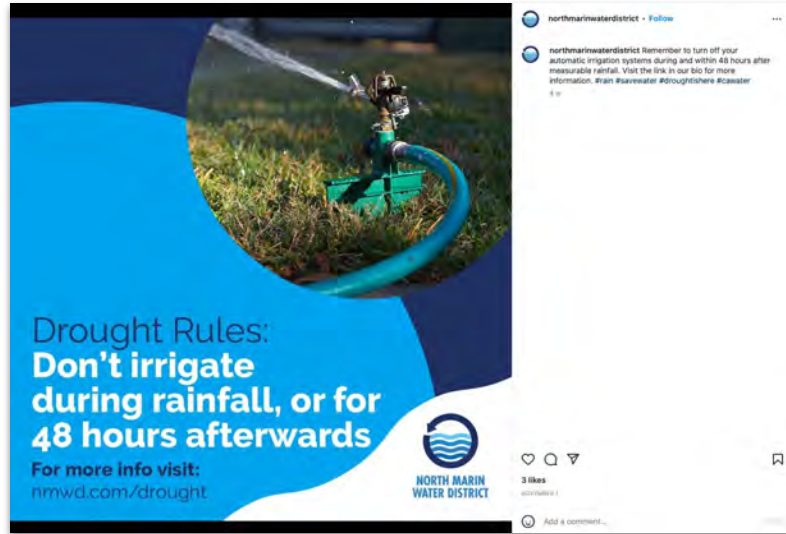
Fix your flush to SAVE WATER







November Social Media Highlights | Instagram



3 likes



6 likes





November Social Media Highlights | Instagram



13 likes



4 likes





November Social Media Highlights | Instagram



4 likes



1 like

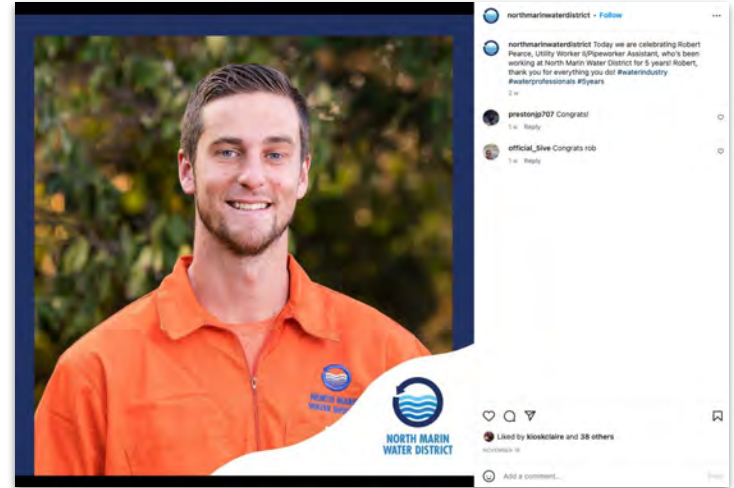




November Social Media Highlights | Instagram



9 likes

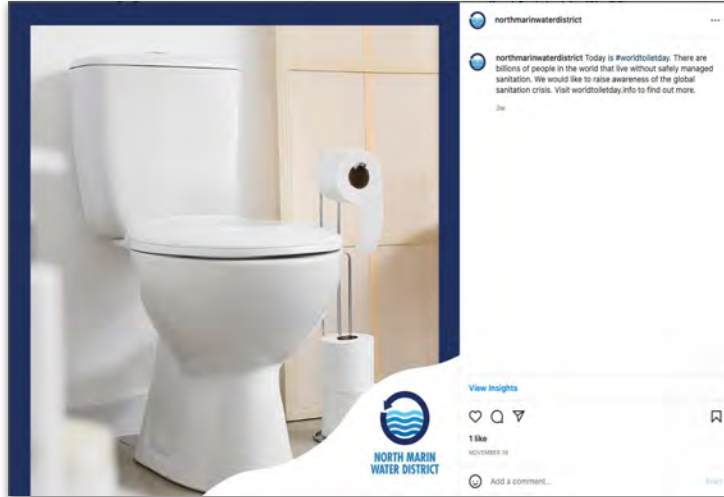


39 likes





November Social Media Highlights | Instagram



1 like

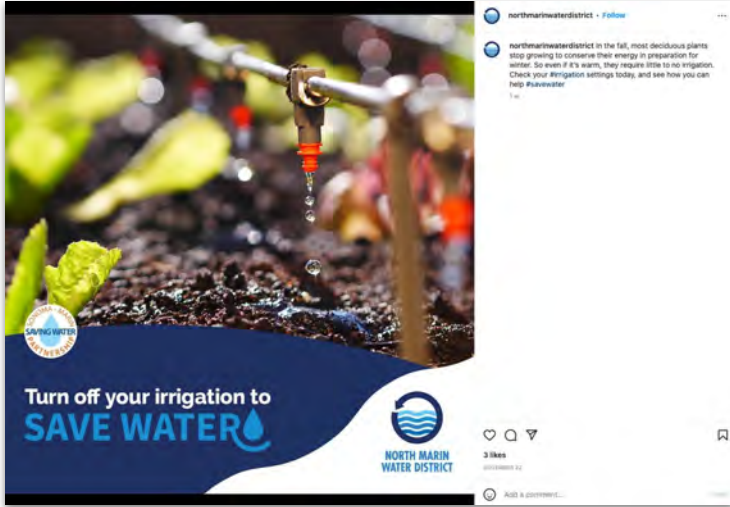


2 likes





November Social Media Highlights | Instagram



3 likes

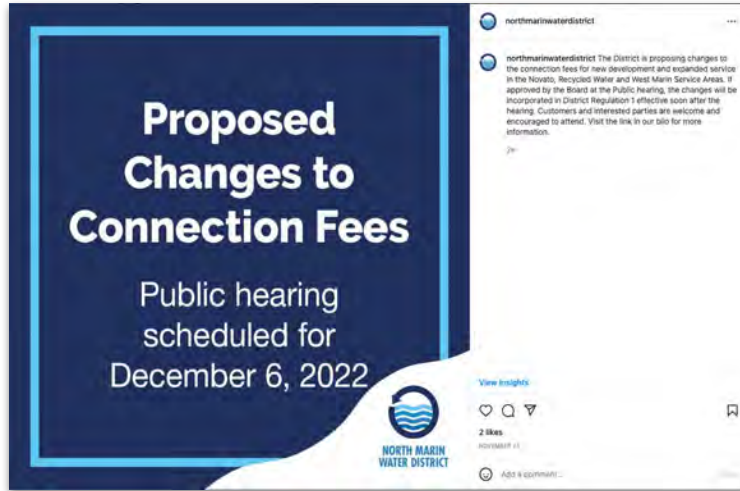


3 likes

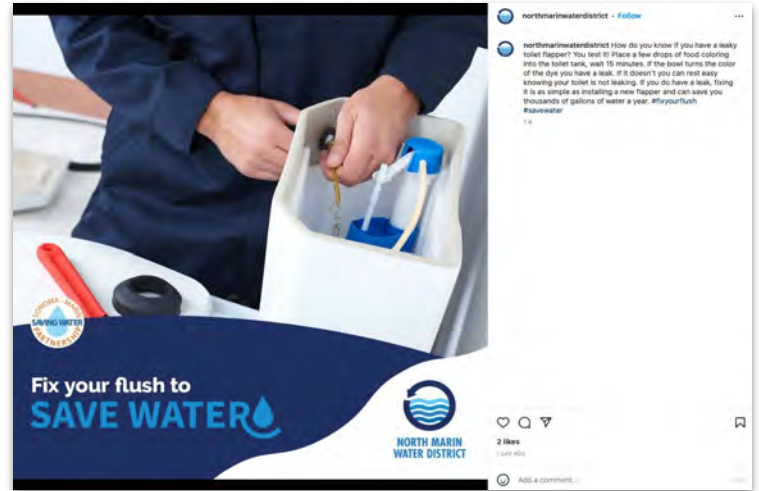




November Social Media Highlights | Instagram



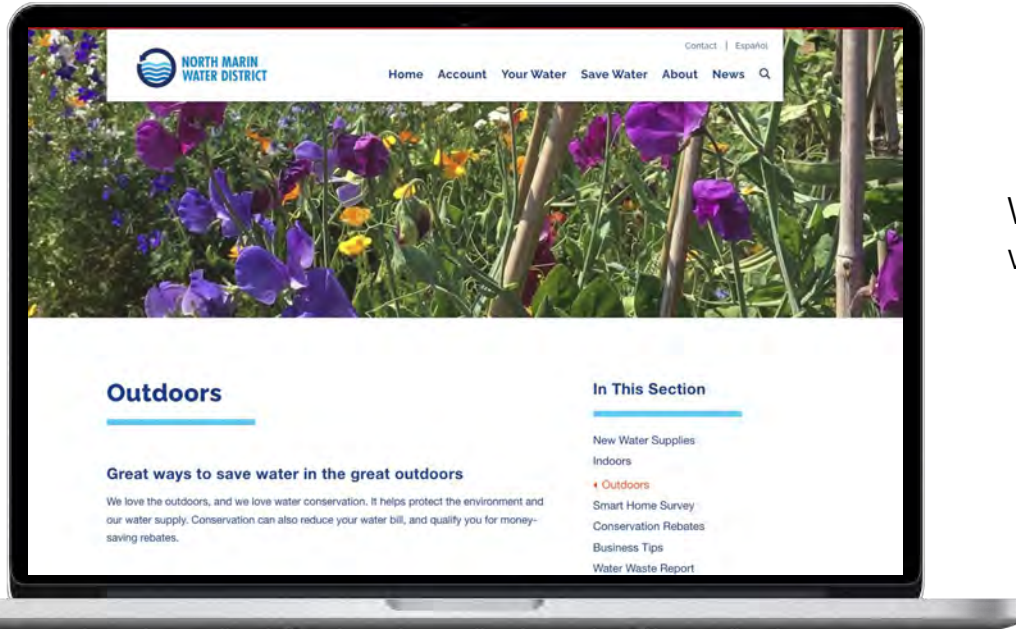
2 likes



2 likes

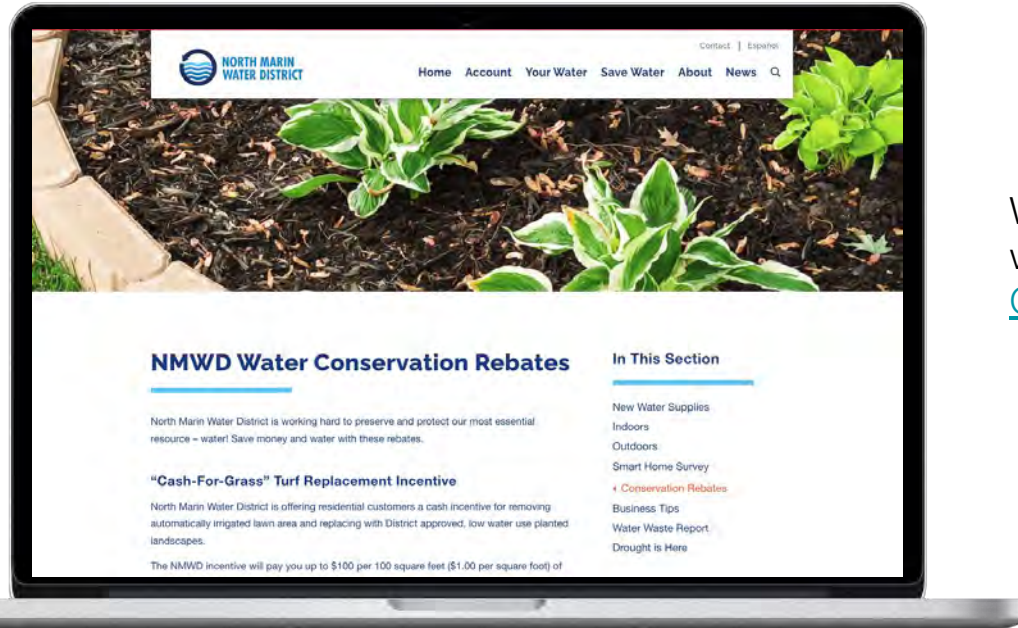


Website Updates - Outdoors Page



We designed and launched a new webpage for [Outdoor](#) water conservation.

Website Updates - NMWD Water Conservation Rebates Page



We also designed and launched a new webpage detailing [NMWD Water Conservation Rebates](#)

News Stories - November

News

Proposed Changes to Connection Fees

(Posted on November 22, 2022) The District is proposing changes to the connection fees for new development and expanded service in the Novato, Recycled Water and West Marin Service Areas. [...]

[Read More](#)

North Marin Water District Board Vacancy

(Posted November 18, 2022) A vacancy currently exists on the Board of Directors of North Marin Water District due to the death of Director James Grossi. The Board will appoint [...]

[Read More](#)

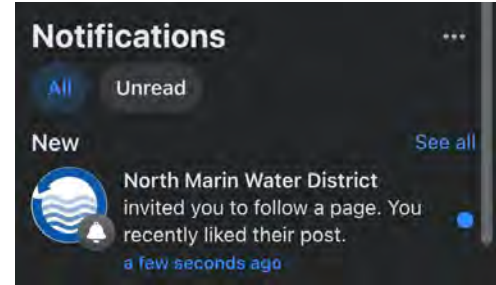
[\(1\) North Marin Water District Board Vacancy](#)

[\(2\) Proposed Changes to Connection Fees](#)

Facebook Likes Campaign - November Report



We are running a evergreen ad which encourages customers in the NMWD service areas to 'like' (follow) the NMWD Facebook page.



| Spend in November 2022 | Reach (Number of people who saw the ad) | Impressions | Results (New Page Likes) | Cost Per New Page Like |
|-------------------------------|---|--------------------|------------------------------------|-------------------------------|
| \$43.26 | 2,395 | 4,372 | 37 | \$1.24 |

*This month, we were able to reach over **2,395** people with the Likes Campaign*



What's Next?

- Working with staff on news stories, including communications about New Housing Developments in Novato and West Marin
- Social media Winter posts providing tips and information to NMWD customers
- Continuation of social posts to highlight employees on their work anniversaries
- Kiosk will provide a branded design layout for the Annual Report once it is finalized
- Kiosk is designing a QR Code Flyer to highlight the current rebates NMWD offers
- Kiosk will roll out the 75 Years logo for 2023



Thank You